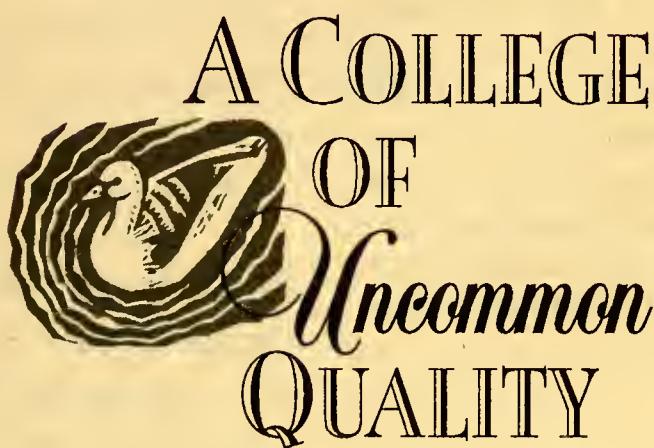




1995-1996
Academic Catalog



1995-1996
Academic Catalog



St. Andrews Presbyterian College

1995-1996 Academic Catalog

The College reserves the right to make changes in particular curricular requirements and offerings, in regulations, and in fees whenever such changes are deemed essential. College catalogs and bulletins are prepared to furnish prospective students and other interested persons with information about the institution. Announcements contained in such printed materials are subject to change and may not be regarded as legally-binding obligations.

Students are expected to read and conform to the regulations of this catalog. The student, not the College nor faculty members, is primarily responsible for knowing the regulations and policies, and for meeting the requirements for a degree.

Address of St. Andrews College offices:

1700 Dogwood Mile
Laurinburg, North Carolina 28352

Address of St. Andrews at Sandhills

2200 Airport Road
Pinehurst, North Carolina 28374

College Information: **(910) 277-5000**

Statement of Non-Discrimination

St. Andrews Presbyterian College is an affirmative action institution. As such, it does not discriminate on the basis of race, sex, creed, national origin, or physical handicap in the administration of its educational policies, admissions policies, scholarship and loan programs, employment practices, or other College-administrated programs.

Family Educational Rights and Privacy Act of 1974

Pursuant to the Family Educational Rights and Privacy Act of 1974, as amended in general, personally-identifiable information can be disclosed to persons outside the College only with the written consent of the student or alumnus/alumna involved. A statement is available setting forth the specific College policies concerning:

1. Disclosure of information to persons outside the College;
2. Disclosure of information to persons within the College;
3. Permitting students to inspect and review records;
4. Providing students with the opportunity to seek the collection of their records. The complete confidentiality statement is available in the student handbook, *The Saltire*.

This catalog was designed and edited by
Lisa E. Montague.

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1995-1996 Calendar

FALL TERM 1995

September 2-5	Saturday-Tuesday	New Student Orientation
September 6	Wednesday	Fall Term Registration
September 7	Thursday (8:00 a.m.)	Classes begin
September 14	Thursday (5:00 p.m.)	Last day to add a course for fall term
September 14	Thursday (5:00 p.m.)	Last day to drop a course without a grade of "W"
September 28	Thursday (5:00 p.m.)	Early Warning letters due
October 5	Thursday (5:00 p.m.)	Spring & Summer Term grades of "I" become "F" if not removed
October 13	Friday (6:00 p.m.)	Fall Recess begins
October 18	Wednesday (8:00 a.m.)	Fall Recess ends
October 19	Thursday	Registration for off-campus Winter Term courses
October 20	Friday (5:00 p.m.)	Mid-Term grades due
October 24	Tuesday	Advance registration for Winter Term courses
November 2	Thursday	First day to change grading option for a course
November 2	Thursday (5:00 p.m.)	Last day to drop a course
November 14	Tuesday	Advance registration for Spring Term, 1996
November 15	Wednesday (5:00 p.m.)	Early Warning letters due
November 15	Wednesday	Last day to change grading option for a course
November 17	Friday (6:00 p.m.)	Thanksgiving Recess begins
November 27	Monday (8:00 a.m.)	Thanksgiving Recess ends
December 8	Friday (6:00 p.m.)	Last Class Day to Fall Term
December 11, 12, 13, 14, 15	Monday through Friday	Fall Term final examinations
December 15	Friday (6:00 p.m.)	Fall Term ends
December 16	Saturday (10:00 a.m.)	Residence halls close
December 18	Monday (4:00 p.m.)	Fall Term grades due

WINTER TERM 1996

January 9	Tuesday	Winter Term begins
January 10	Wednesday (5:00 p.m.)	Last day to add a course for Winter Term
February 2	Friday (5:00 p.m.)	Winter Term ends
February 15	Thursday	Winter Term grades due

SPRING TERM 1996

February 7	Wednesday	New Student Orientation
February 7	Wednesday	Spring Term Registration
February 8	Thursday (8:00 a.m.)	Classes begin
February 14	Wednesday (5:00 p.m.)	Fall Term grades of "I" become "F" if not removed
February 14	Wednesday (5:00 p.m.)	Last day to add a course
February 14	Wednesday (5:00 p.m.)	Last day to drop a course without a grade of "W"
February 29	Thursday (5:00 p.m.)	Early Warning letters due
March 7	Thursday (5:00 p.m.)	Winter Term grades of "I" become "F" if not removed
March 14	Thursday (5:00 p.m.)	Mid-Term grades due
March 15	Friday (6:00 p.m.)	Spring Recess begins
March 25	Monday (8:00 a.m.)	Spring Recess ends
April 5	Friday (5:00 p.m.)	Last day to drop a course
April 8	Monday	Easter Monday (no classes)
April 15	Monday (8:00 a.m.)	First day to change a grading option
April 17	Wednesday (5:00 p.m.)	Early Warning letters due
April 26	Friday (5:00 p.m.)	Last day to change grading option for a course
April 30	Tuesday	Advance registration for Fall Term
May 10	Friday	Last class day of Spring Term
May 13,14, 15, 16, 17	Monday through Friday	Spring Term final examinations
May 16	Thursday (10:00 a.m.)	Senior grades due
May 18	Saturday, 9:30 a.m.	Commencement
May 18	Saturday (12:00 noon)	Spring Term ends
May 18	Saturday (5:00 p.m.)	Residence halls close
May 21	Tuesday (12:00 noon)	All Spring Term grades due

SUMMER TERM 1996

June 24	Monday (8:00 a.m.)	Summer Term begins
July 26	Friday (6:00 p.m.)	Summer Term ends

Heritage of St. Andrews College

St. Andrews College traces its establishment to 1896 when Flora Macdonald College was founded at Red Springs, North Carolina. In 1958 Flora Macdonald College and Presbyterian Junior College (which was established in 1928) were formed into St. Andrews Presbyterian College.

In the early 1950s, Presbyterians of North Carolina obtained a grant from the Ford Foundation to survey higher education in the Synod of North Carolina. As a result of that study, the Synod decided in 1955 to create a merged college at a new site.

Another grant enabled the Synod to plan a new college of high quality and Christian purpose, one with contemporary style and design. In 1960, the new college was named St. Andrews College to mark its Scottish heritage and to identify it with the University of St. Andrews, a leader of Christian education in Scotland.

Since its opening in Laurinburg in 1961, St. Andrews has distinguished itself as a pioneer in innovative Christian higher education. With its interdisciplinary emphasis in the humanities and sciences, award-winning campus design, openness to the physically-disabled, and commitment to value-oriented learning for the future, St. Andrews has become a nationally-recognized new college with a significant history.

St. Andrews College

Statement of Purpose

St. Andrews Presbyterian College is a four-year, church-related, co-educational liberal arts and sciences institution founded in 1958 by the merger of Flora Macdonald College, a four-year college which opened in 1896, and Presbyterian Junior College which was founded in 1928. With both residential and nonresidential undergraduate programs, the College serves traditional and non-traditional students, from diverse national, ethnic, and socio-economic backgrounds. One of the first barrier-free campuses, the College takes particular pride in its historical commitment to accommodating students with physical challenges.

St. Andrews breaks down intellectual and interpersonal barriers as well. Members of the faculty work together across disciplines, recognizing their primary roles as teachers and advisors, while maintaining a commitment to scholarship and professional development in their individual fields. Students, administrators, and staff also take seriously their shared roles in teaching, advising, and mentoring. Through its integrated educational program, the College seeks to graduate informed, articulate individuals, with a comprehension of the complex nature of the problems facing a diverse but interdependent global community, and with the knowledge and skills necessary to lead productive professional lives.

As a college of the Church, St. Andrews believes that knowledge of the Judeo-Christian tradition is vital to understanding the heritage of Western civilization and its place in

the contemporary world. True to the historical Presbyterian commitment to intellectual inquiry, St. Andrews views critical exploration in all disciplines as compatible with faithful living. The College's major programs provide students with depth of knowledge in particular disciplines, while also affirming that such knowledge gains in value when placed in an international, intercultural and interdisciplinary context.

St. Andrews understands genuinely successful academic communities to be inclusive and student-centered. In addition to offering programs in the liberal arts and sciences and in selected pre-professional areas, the College promotes experiential learning beyond the campus through internships, community service activities, and international travel/study opportunities. Responding to the needs of diverse learning constituencies, St. Andrews offers educational and residential environments which enhance the academic enterprise through an array of career, technological, and other support services.

Finally, St. Andrews believes the challenges of the future will best be met by institutions and individuals with the openness and flexibility to adapt to rapid change. It therefore engages in systematic evaluation in order to maintain dynamic and relevant programs, and it encourages students to develop habits of lifelong learning and self-renewal which balance freedom with responsibility and transcend self-interest with a spirit of service.

About St. Andrews

ACCREDITATION

St. Andrews is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's degrees.

The College is a member of the North Carolina Association of Independent Colleges and Universities, the Association of Presbyterian Colleges and the Council of Independent Colleges. The College's women graduates qualify for membership in the American Association of University Women.

ABOUT ST. ANDREWS

St. Andrews' approximately 750 students hail from throughout the United States and from many foreign countries. Together they create a cosmopolitan atmosphere in a community that challenges them to do their best in intellectual pursuits, creative endeavors, and service to others.

The Faculty

Helping students meet these challenges are a dedicated staff and a superb faculty—some 89 percent of whom hold doctoral degrees—whose principal commitment is to teaching. A student-to-faculty ratio of 13:1 facilitates the highly-interactive approach to teaching and learning that characterizes St. Andrews. St. Andrews faculty represent a wide array of educational experiences. There are 38 full-time faculty members. More than one-half the faculty has traveled and studied in Africa, Asia, Europe, and Latin America.

Location

St. Andrews is located on the south side of Laurinburg, a community of 18,000 people. The city is located at the junction of U.S. Routes 401, 15-501, and 74.

Twice an "All-American City," and the county seat of Scotland County, Laurinburg offers students a pleasant setting for study and recreation, where they enjoy a climate similar to that of the nearby winter resorts of Southern Pines and Pinehurst.

About the Campus

Leading educational consultants worked with expert architects and landscape designers to translate Christian modern philosophy into modern construction, with the result of a campus architecture that won its architects a first-place citation in national competition.

Campus buildings are grouped on opposite banks of the 70-acre Lake Ansley C. Moore, with 600 acres of forested land also comprising the campus.

Admission

ADMISSION TO ST. ANDREWS

High school seniors may be admitted for both Fall and Spring Term entry.

St. Andrews accepts students regardless of age, race, creed, sex, color, religion, national origin, or handicap. Prospective students and their families are encouraged to visit campus. To schedule a visit, call the Office of Admission at 1-800-763-0198, or fax (910) 277-5020.

Requirements

St. Andrews accepts both high-ability students and high-potential students. Each candidate's record is evaluated by a committee which considers all aspects of a student's record—including, but not limited to, class rank, subjects studied, proficiency in English, personal attributes, and interests. No specific minimum grade point average or minimum test score is necessary for admission.

St. Andrews requires of first-year students a score from either the Scholastic Aptitude Test (SAT) or the American College Testing Assessment Program (ACT). Students should ask SAT, ACT, or their high school to send scores to St. Andrews. These scores are used for placement and advisement purposes, and no student will be denied admission solely on the basis of SAT or ACT test scores.

Students should have satisfactorily completed:

1. Four units of English.
2. Two units of one foreign language.
3. Three units of mathematics: two of algebra and one of plane geometry.

4. Two units of social sciences.
5. Three units of science.
6. Two units of electives.

Automatic admission is granted to students who have successfully completed the above courses, who are in good standing, who have earned a cumulative high school G.P.A. of 3.0 or above on academic courses, and who have an SAT score of 1060 or above, or an ACT score of 23 or above. Applications from students who do not meet the criteria for automatic admission are reviewed individually. In such instances, a final decision about admission is made by a faculty committee.

GED

Students who have received equivalency certification based on acceptable scores on the General Education Development (GED) test may be accepted as having met the requirements for admission in place of a high school diploma upon review of their academic record by the Admissions Committee. SAT and/or ACT scores and transcripts are still required.

Proof of Immunization

To protect the health and safety of the St. Andrews community, all newly-entering students born during or after 1957 must show proof of immunization against measles and rubella. Students who do not show proof or who do not have a valid exemption within 60 calendar days after classes begin will have their registration administratively withdrawn. International students, in addition, must carry adequate medical insurance.

To Apply to St. Andrews:

At least two weeks before registration:

1. Submit the St. Andrews Application Portfolio, including the Application for Admission, the Scholarship Application, and the Recommendation Forms, and the \$25.00 nonrefundable application fee to the St. Andrews College Office of Admission.
2. Have official transcripts from all secondary institutions forwarded to the St. Andrews Office of Admission.
3. Have an official score report from the ACT or the SAT forwarded to the St. Andrews Office of Admission.
4. To be considered for financial assistance, submit the Free Application for Federal Student Aid (FAFSA) to the St. Andrews Office of Student Financial Planning.
5. Submit the \$200.00 admission deposit by February 1. Deposits received after May 1 cannot be refunded.

After the receipt of items 1-3 above, the Admission Committee carefully reviews each individual candidate's portfolio and makes an admission recommendation to the Dean of Admission and Student Financial Planning. The Admission Committee meets weekly, with notification of their admission decision sent to students within 1-2 days of that decision.

Early Decision

Students who choose this option for regular admission to St. Andrews should be entirely sure that St. Andrews is their college of choice, since St. Andrews requires Early Decision applicants to withdraw all applications at other colleges and universities.

Since they are making this choice early in the admission cycle, the Admission Committee is able to evaluate and award financial assistance packages much earlier than regular admission. This often means that Early Decision students may compete for merit scholarships up to three months before other applicants.

To Apply for Early Decision:

1. Submit the St. Andrews Application Portfolio, paying special attention to the Early Decision portions of the Application for Admission. The deadline for Early Decision Applications is December 1.
2. Submit the Early Version Financial Aid Form along with the Free Application for Federal Student Aid (FAFSA) by December 1.
3. Submit the \$200.00 admission deposit by February 1. Deposits received after May 1 cannot be refunded.

After the receipt of items 1 and 2 above, the Admission Committee carefully reviews each individual candidate's portfolio and makes an admission recommendation to the Dean of Admission and Student Financial Planning. The Admission Committee meets weekly, with notification of their Early Decision admission status sent by December 15. Financial assistance packages will be sent by January 1.

TRANSFER ADMISSION TO ST. ANDREWS

Students who are interested in transferring to St. Andrews are strongly encouraged to schedule a campus visit by calling the St. Andrews Office of Admission at 1-800-763-0198 ; in order to discuss transfer of credits with the Office of Admission and with the major advisor.

Students may transfer to St. Andrews for the Fall or Spring Terms. Prospective transfer students must submit an official transcript from each regionally-accredited institution of higher learning; composite transcripts are not accepted. Transcripts are evaluated by the Registrar's Office and then mailed to students and advisors.

Transfer credits from other regionally-accredited institutions will be granted in full, provided that the courses taken correspond to work offered at St. Andrews. Courses passed with grades of "C—" or below are accepted in

transfer only if the student's overall G.P.A. averages 2.00 or above. A maximum of 65 credits may be transferred from a two-year and/or technical college.

Requirements

Prospective transfer students must have earned a minimum 2.50 G.P.A.; applicants who fall between 2.00 and 2.49 will be considered on an individual basis. No student will be admitted unless he or she is eligible to return to the last college attended.

To transfer:

1. Submit the St. Andrews Application Portfolio, including the Application for Admission, the Scholarship Application, and the Recommendation Forms, and the \$25.00 nonrefundable application fee to the St. Andrews College Office of Admission. Portfolios are available from transfer counselors, independent educational consultants, and the St. Andrews Office of Admission.
2. Have all institutions of higher education forward official transcripts of all prior high school and college studies to St. Andrews. Students currently enrolled should submit an official partial transcript at the time of application.
3. To be considered for financial assistance, submit the Free Application for Federal Student Aid (FAFSA) to the St. Andrews Office of Student Financial Planning.
4. Submit a \$200.00 admission deposit by February 1. Deposits received after May 1 cannot be refunded.

After the receipt of items 1 and 2 above, the Admission Committee carefully reviews each individual transfer candidate's portfolio and makes an admission recommendation to the Dean of Admission and Student Financial Planning. The Admission Committee meets weekly, with notification of their admission decision sent to students within 1-2 days of that decision.

THE ST. ANDREWS ACADEMY

Admission to the St. Andrews Academy is granted by the Admission Committee on an individual basis, after careful review of students' files.

Requirements

Prospective Academy students must be in good standing at their high school, and have completed the 11th grade. The Academy automatically accepts high school students who rank in the top 10% of their class, and who have achieved board scores in the top 20th percentile for the PSAT or the SAT. Students who have other scores or rank shall be reviewed for admission on an individual basis.

To Apply to the Academy:

1. Submit the St. Andrews Academy Application Portfolio, including the Application for Admission, the Scholarship Application, and the Recommendation Forms, and the \$25.00 nonrefundable application fee to the St. Andrews College Office of Admission. Portfolios are available from guidance counselors, independent educational consultants, and the St. Andrews Office of Admission.
2. Have official transcripts from all secondary institutions forwarded to the St. Andrews Office of Admission.
3. Have an official score report from the ACT or the SAT/PSAT, if taken, forwarded to the St. Andrews Office of Admission.
4. To be considered for financial assistance, submit the Free Application for Federal Student Aid (FAFSA) to the St. Andrews Office of Student Financial Planning.
5. Submit a \$200.00 admission deposit by February 1. Deposits received after May 1 cannot be refunded.

After the receipt of items 1-3 above, the Admission Committee carefully reviews each individual candidate's portfolio and makes an

admission recommendation to the Headmaster of the Academy. The Admission Committee meets weekly, with notification of their admission decision sent to students within 1-2 days of that decision.

ST. ANDREWS AT SANDHILLS

St. Andrews College offers evening and weekend classes leading to the bachelor's degree on the campus of Sandhills Community College in Pinehurst, North Carolina; classes which accommodate the needs of working adults who are unable to pursue a day program because of work schedules.

The Director admits students according to St. Andrews overall standards and policies for regular transfer students. Applicants who formerly attended St. Andrews College in Laurinburg must have been absent for one calendar year, and must be formally readmitted following the guidelines for readmittance.

Students enrolled at St. Andrews at Sandhills may not take courses at St. Andrews without special permission.

Requirements

Prospective St. Andrews at Sandhills students must have completed either:

1. A bachelor's degree; or
2. An associate's degree; or
3. A minimum of 60 acceptable semester hours of credit (equivalent to 90 quarter hours).

The degree or credits must be earned from a regionally-accredited institution.

Transfer credits from other regionally-accredited institutions will be granted in full, provided that the courses taken correspond to work offered at St. Andrews. Courses passed with grades of "C" or below are accepted in transfer only if the student's overall G.P.A. averages 2.00 or above.

A maximum of 65 credits may be transferred from a two-year and/or technical college; a maximum of 90 credits may be trans-

ferred from a four-year institution or from a combination of the two. Each transcript is evaluated individually.

Before being accepted at St. Andrews at Sandhills, it is suggested that students have completed:

1. Two courses—6 semester hours—in English composition.
2. One course in Fine Arts (art, music, or theater).
3. One course in Humanities (literature, philosophy, or religion).
4. One course in Social and Behavioral Sciences (history, political science, psychology, or sociology).
5. One course in Laboratory Sciences (biology, chemistry, or physics).
6. One course in Critical and Quantitative Thinking (college algebra or higher, or accounting).
7. Two courses in one foreign language.

To Apply:

1. Submit the St. Andrews at Sandhills Application for Admission and the non-refundable \$25.00 application fee, available from the St. Andrews at Sandhills Office of Admission, Kennedy Hall, 2200 Airport Road, Pinehurst, North Carolina, 28374.
2. Have official transcripts from all secondary institutions forwarded to the St. Andrews at Sandhills Office of Admission.
3. Have an official score report from the ACT or the SAT forwarded to the St. Andrews at Sandhills Office of Admission.
4. To be considered for financial assistance, submit the Free Application for Federal Student Aid (FAFSA) to the St. Andrews College Office of Student Financial Planning.
5. Submit the \$200.00 admission deposit by February 1. Deposits received after May 1 cannot be refunded.

When students have sent all items 1-3 to the St. Andrews at Sandhills Office of Admission, they will be notified to set up an appointment with the Director to discuss transfer credits, degree requirements, financial assistance, etc. Students receive notification of their acceptance or denial after this interview.

INTERNATIONAL STUDENT ADMISSIONS

Before deciding to attend St. Andrews, international students should examine their financial situation very carefully. The U.S. Immigration and Naturalization Service requires St. Andrews to certify that international students have been accepted for full-time enrollment and have sufficient funds to meet all expenses: tuition, room and board, fees, transportation, etc. St. Andrews requires a Statement of Support from each international student's family, sponsor, or government. The statement certifies that tuition, room and board, and personal funds are available, and that students are permitted to export and exchange those funds into the United States. Without this form, no I-20 form can be issued.

Requirements

Students entering St. Andrews are required to have a reading, writing, and conversational knowledge of the English language. To ensure this goal, international students whose native language is not English should submit a 300-500 word autobiographical essay written in English.

Although international students who achieve a score of 550 or above on the Test of English as a Foreign Language (TOEFL) are not required to enroll in St. Andrews English as a Second Language Program, enrollment in the ESL program is strongly encouraged of all students whose native language is not English.

International students whose score on the TOEFL falls between 500 and 549, and whose academic record shows the equivalent of a "B" average are also not required to enroll in ESL,

and are also similarly strongly encouraged to take advantage of the offerings of the ESL program.

International students whose score on the TOEFL falls between 450 and 499, and whose academic record shows the equivalent of a "B" average are required to enroll in the ESL program.

For those international students whose native language is English, admission requirements include at least one or more of the following:

1. ACT or ACT scores, and/or
2. TOEFL and Test of Written English Scores, and/or
3. "O"-level examination scores.

New International Students

To be fully admitted to St. Andrews, students must submit each of the following items to the St. Andrews Office of Admission, St. Andrews College, 1700 Dogwood Mile, Laurinburg, North Carolina, 28352, U.S.A. Forms are available from the St. Andrews College Office of Admission.

1. International Application for Admission, along with a nonrefundable application fee of \$25.00 (in U.S. dollars).
2. Official transcripts from each secondary institution attended.
3. Declaration of Financial Support. This form is required even if students are not applying for financial assistance.
4. Copies of any secondary school certificates earned: for example the GCE, SPM, HSC, HKCE, etc.
5. A letter of recommendation from the student's teacher of English, and a second letter of recommendation from another teacher, the school guidance counselor, or the headmaster.
6. Scores from the TOEFL, ACT, or SAT, as appropriate.
7. An original 300-500 word autobiographical essay which also explains the student's educational objectives.

8. A \$200.00 (in U.S. dollars) admission deposit by February 1. Deposits received after May 1 cannot be refunded.

After the receipt of items 1-7, and after consideration by the Admissions Committee, international students will be notified of acceptance or denial. Students who are accepted will receive a completed I-20 form which they must present to a United States Consulate when applying for their student (F-1) visa. Student visas should be obtained before entering the United States, as converting from tourist visa to a student visa is not assured.

International Transfer Students

To be admitted to St. Andrews as a transfer student, international students must also meet all the standards and requirements of American transfer students (see "Transfer Students" in this catalog.)

In addition to items 1-8 above, international students who are transferring to St. Andrews from another American university should also:

1. Obtain Form I-538 from the university they are currently attending. Students should complete this form then return it to the university they are currently attending. That university should then submit Form I-538 as well as the I-20 form to its branch office of the U.S. Immigration and Naturalization Service.

SPECIAL ADMISSIONS

Non-Degree Seeking Students

Individuals who do not wish to pursue a degree may apply and be accepted as non-degree seeking students. A high school diploma is not normally required for non-degree status; however, students who have graduated from high school within the last two years cannot be admitted as non-degree students, but instead must meet regular admission standards as outlined above for new students. Non-degree seeking students must be 18 years of age or older. Students under academic and/or disciplinary suspension or probation from this or

any other institution may not be admitted in this category. Students who have earned credits at another institution must submit a Statement of Good Standing completed by the previously-attended college to the St. Andrews Office of Admission.

Non-degree students can earn a maximum of six credits per term, to total 18 or fewer credits. After 18 credits, non-degree students must seek regular admission before reenrolling.

Re-Admission of Former Students

Students who have been absent from St. Andrews for one term or longer must reapply for admission through the Associate Dean for Academic Affairs.

Students who have withdrawn voluntarily, while in good standing, will normally be readmitted to the College upon receipt of the application.

Students who withdraw and/or have been suspended from the College while not in good standing must produce evidence of having corrected or having the ability to correct any academic or student life deficiencies before their application for readmission is considered.

Students who have attended other colleges or universities must have a complete and official transcript of that college credit on file in the St. Andrews Office of Admission by the registration day of the term in which they plan to enroll.

Visiting Students

A student may be admitted to St. Andrews through certification as a visiting student from another accredited college or university. The visiting student is required to present certification from an authorized person of the other institution (i.e.: registrar, director of admission, vice president of enrollment, etc.) stating that the student is in good standing at the other institution. Contact the St. Andrews Office of Admission for further information.

Financial Planning

FEES AND COSTS

Since St. Andrews College is a private institution, support for all programs is derived from tuition and fees, and gifts from alumni and foundations, the Presbyterian Synod of the Mid-Atlantic, the Presbyterian Church (USA), other churches, and other friends of the College.

Annual charges for tuition and fees remain at the lowest possible level consistent with a quality educational program and financially responsible management.

DEPOSITS

Each student who plans to enroll at St. Andrews College is required to make a \$200.00 admission reservation deposit. This deposit is credited toward first term fees, and guarantees the student a place in the class.

\$100.00 of the deposit is a refundable security deposit, returnable following the student's graduation or official withdrawal from St. Andrews. Final charges are deducted from the deposit, and the balance is refunded to the responsible party.

Returning students are required to pay a \$100.00 room deposit each year of attendance.

1995-96 BASIC FEES

All fees and charges are due when they are assessed, and are payable at the Business Office. Continuous nonpayment will result in penalties, including withholding of transcripts and prevention of registration for classes.

Regular Year

Tuition	\$10,895.00
Room:	
Double	\$1,920.00
Single	\$2,880.00
Board:	
21 meals/week	\$2,890.00

College Activity Fee	\$150.00
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1996 Summer Term

Tuition (per credit)	\$275.00
Room:	
Double	\$320.00
Single	\$480.00
Board	\$645.00

OTHER FEES

Academy Activity Fee	\$500.00
Applied Music Fee, per Fall	
or Spring Term:	
One hour of lessons	
per week	\$400.00
One half-hour of lessons	
per week	\$200.00
Change of Schedule Fee:	
Per course added after	
Drop-Add period	\$10.00
Per course dropped after	
Drop-Add period	\$2.00
Fax Fee for Student Records	\$20.00
Graduation Fee	\$35.00
Horseback riding	Varies

Late Registration Fee	\$25.00
Orientation Fee	\$50.00
Overload/Underload Fee, per credit above 18 credits <i>and</i> below 11 credits	\$340.00
Residence Hall Activity Fee	\$5.00
Science/Psychology Laboratory Fee, per course	\$10.00
Student Health Insurance	\$135.00
Transcript Fee	\$5.00
Vehicle Registration Fee	\$30.00

Additional expenses will be incurred for laundry, books, and incidentals.

Student accounts are charged for such items as damage to College property, traffic fines, and past due library materials if these items are not resolved by the students in a timely manner.

Expenses for Disabled Students

Physically disabled students, their families, and their vocational rehabilitation counselors should contact the St. Andrews Director of Rehabilitation Services to arrange for any personal care services necessary.

Expenses for personal care range from \$1,280 to \$12,810 for Fall and Spring Terms; from \$215 to \$2,125 during Summer Term. Specific amounts are based on the individual student's personal care needs.

Expenses for Part-Time Students

Commuter students who enroll in 6 or fewer credits per term and 12 or fewer credits per academic year may take their first 18 total credits at a discounted rate of half tuition, which is \$170.00 per credit. Students with senior standing are not eligible for this discount.

Part-time students are charged at the regular, non-discounted course rate, as stated above, for Winter Term courses.

At the completion of 18 credits, part-time students will be charged the full, non-discounted rate for tuition, with the exception of students enrolled in St. Andrews teacher certification program.

Change in Residence Status

If nonresidence status is approved after the beginning of a term, students are charged on a prorated basis for room and board according to the time spent as a resident.

PAYMENT SCHEDULE

Resident Students:

*May 1: Admission Reservation Deposit	\$200.00
July 15: Balance of Fall and Winter Term Fees (55% of yearly charges)	\$8,538.00
December 15: Spring Term Fees (45% of yearly charges)	\$7,067.00
Total	\$15,805.00

Non-Resident Students:

July 15: Fall and Winter Term Fees	\$6,037.00
December 15: Spring Term Fees	\$4,858.00
Total:	\$10,895.00
<i>*Nonrefundable after this date</i>	

Payment Plan

St. Andrews participates in the Academic Management Services payment plan, in which basic fees are billed according to a 10-month installment schedule. The first installment is payable June 1.

REFUNDS FOR CANCELLATIONS AND WITHDRAWALS

Students who register during the advanced registration period will be considered registered for billing purposes unless formal cancellation of registration is filed with the Registrar. In order to be eligible for a refund, enrolled students who leave the College must follow the withdrawal policy (see "Withdrawal from College" in the Academic Policies section of this catalog).

A new student is entitled to a prorated refund of tuition, fees, and room and board up

to the end of the eighth week of the term. No refunds can be made after the eighth week.

All other withdrawing students are entitled to refunds as follows, to be made available within 90 days of completed official withdrawal:

Tuition:

During first week	100% refunded
During second week	75% refunded
During third week	50% refunded
After third week	0% refunded

Board:

A refund for meals is allowed regardless of the date of withdrawal. This refund is pro-rated on the basis of the number of meals served through the day, up to the day that official withdrawal is completed.

Room:

During first week	75% refunded
After first week	0% refunded

The College reserves the right to reassign the room of a student who withdraws, whether that withdrawal is completed officially or unofficially, by the student or by the administration.

WINTER TERM

Winter Term Refunds for Withdrawal

If before the beginning of classes for Winter Term, students complete the official withdrawal process from the College, or are administratively withdrawn from the College, then they will be eligible for refunds according to the Winter Term Basic Fees Refund schedule listed below. In addition, students who do not complete the Fall Term and who do not intend to return to St. Andrews are eligible for a refund according to this same schedule, provided they notify the Registrar and the Business Office in writing of their intentions before the first class day of Winter Term.

Winter Term Basic Fees Refunds

In the event that a student is granted a medical (and medical only) leave of absence from attending Winter Term, he or she will be granted a credit on his or her Spring Term charges as follows:

Tuition	10% of annual tuition charges
Room	No credit given
Board	10% of annual board charges

Students who complete graduation requirements at the end of a Fall Term will not be charged for Winter Term tuition, room, or board.

Winter Term Meal Credits

Each boarding student participating in a St. Andrews Winter Term course in which the group travels away from campus for more than three consecutive days will automatically receive a credit for the meals missed, and credit for meals missed will also be given to each boarding student enrolled in an approved Winter Term exchange course, an approved off-campus internship, and/or an approved off-campus guided independent study, if notification is given in advance of travel to the Business Office. Forms are available from the Business Office.

All credits for meals missed during off-campus courses will be applied toward the student's account at the end of Winter Term; no refunds can be given prior to travel.

The credit is calculated at the rate of \$5.50 per day for breakfast, lunch, and dinner at 1/6, 2/6, and 3/6 of a day, respectively.

There is no tuition credit for students enrolled in St. Andrews courses which take place off-campus.

FINANCIAL ASSISTANCE

While the primary financial responsibility for a student's education rests with the student and his or her family, St. Andrews endeavors to provide financial assistance to students who demonstrate merit and need. Students and their families are encouraged to contact the St. Andrews Office of Student Financial Planning early in their college choice process. The Office can be reached by calling 1-800-763-0198, or by fax to (910) 277-5020.

The goal of all St. Andrews financial assistance programs is to ensure that academically-qualified students have access to St. Andrews educational programs.

Most forms of financial assistance at St. Andrews are based on need. Students of exceptional academic and/or athletic ability are eligible for certain scholarships and grants regardless of demonstrated need.

Financial assistance at St. Andrews is usually a combination of grants, work-study, loans, and scholarships.

APPLYING FOR FINANCIAL ASSISTANCE

To be considered for financial assistance, students must first be accepted for admission to St. Andrews; it is strongly encouraged that both the Application for Admission and the Free Application for Financial Aid (FAFSA) be completed and sent at the same time. Forms are available from high school counselors, independent educational consultants, and the St. Andrews Office of Admission.

There is no deadline for applying for fi-

nancial assistance at St. Andrews; priority, however, is given to applications received before April 1.

Financial assistance award letters are generated soon after all materials are received by the St. Andrews Office of Admission and the Office of Student Financial Planning.

In addition, federal guidelines state that students must normally take 24 credits in an academic year in order to be full-time for financial assistance purposes.

TYPES OF FINANCIAL ASSISTANCE

College Work-Study

The College Work-Study program provides part-time on-campus jobs to students who qualify. The Work-Study program is coordinated by the Director through the Office of Student Financial Planning. The average work load is 12 hours per week.

Students are paid monthly by check for hours worked and weekly reported. Jobs are available in a wide variety of campus offices and departments. For more information, contact the Director of Work-Study at 1-800-763-0198.

Grants

St. Andrews awards three types of grants:

1. Those awarded by the College from its own resources.
2. Federal grants such as the Supplemental Educational Opportunity Grant and the Pell Grant.
3. Special grants for North Carolina residents.

Information for these grants may be obtained from guidance counselors, independent educational consultants, and the St. Andrews Office of Student Financial Planning.

Loans

St. Andrews participates in the federally-funded Perkins and Stafford loan programs.

Both are need-based, and amounts for both are determined after submission of the FAFSA.

In addition, students and their parents may be eligible to borrow through the Unsubsidized Federal Stafford or Federal Plus loan programs.

Application for loans are available from guidance counselors, independent educational consultants, and from the St. Andrews Office of Student Financial Planning. Completed applications must be sent to the Office of Student Financial Planning, which then certifies the application and forwards it to the lender. Loan funds come directly to the Office of Student Financial Planning, and must be endorsed by students and/or their parents, and by St. Andrews, before loan funds can be credited to students' accounts.

Scholarships

St. Andrews College offers over 200 scholarships in amounts varying from \$50 to \$10,000. Students are advised to apply early for scholarships by completing the Scholarship Application found in the Application Portfolio. Additional forms are available through the St. Andrews Office of Student Financial Planning.

RENEWAL OF FINANCIAL ASSISTANCE

Students must reapply for financial assistance each academic year by completing and submitting the FAFSA. The FAFSA is available from the St. Andrews Office of Student Financial Planning. Students should request this form after January 1 of the year they need to renew assistance.

Many scholarships require a minimum G.P.A. to renew.

Academic Probation

Students who are on academic probation for two consecutive Fall and/or Spring Terms are ineligible for financial assistance.

Academic Programs

The St. Andrews academic program prepares students for graduate and professional schools and/or to enter directly into fields such as business, teaching, management, and public service.

ACADEMIC HONORS

A variety of opportunities for additional challenge and academic recognition is available for students with unusual promise and outstanding achievements.

General Honors

Mission

Consistent with and supportive of the College's mission to "graduate informed, articulate individuals, with a comprehension of the complex nature of the problems facing a diverse but interdependent global community, and with the knowledge and skills necessary to lead productive, professional lives" the purpose of the General Honors Program is to offer special challenges and enhanced opportunities to students of proven academic achievement. The General Honors Program is designed to enhance the personal, intellectual, and ethical growth of students who have excelled academically.

Goals

Goals for students in the General Honors Program are

1. To grow intellectually, and to develop academic skills to higher levels than expected or required in regular courses.
2. To become a supportive community of honors students committed to excellence.

3. To acquire a greater sense of personal responsibility towards the greater environment and community.
4. To synthesize the learning and experience encountered in the Honors Program

Eligibility Requirements

The General Honors Program is open to all entering first year students with a SAT score of 1100 or above (or equivalent ACT score) and a high school G.P.A. of 3.20 or above.

In addition, if space permits, other entering students may petition the Director for acceptance. At the end of the Fall Term of their first year, students who have earned a cumulative G.P.A. of 3.00 or better may petition to enter the General Honors Program. Transfer students with a 3.35 college G.P.A. or better may also petition for entrance to the General Honors Program.

To Apply:

Those seeking an invitation to the General Honors Program must complete:

1. An honors application, available from the Director of the General Honors Program.
2. An original essay.
3. An interview for admission.

Curriculum

The General Honors Program consists of special courses: Honors SAGE 105 (3); Honors 150 (1); Honors 151 (1); Honors 102 CORPS Community Outreach and Public Service (1); Honors SAGE 206 (3); Honors SAGE 207 (3); Honors SAGE 208 (3); Honors 361 Junior/Senior Seminar in Honors (3). Students who are admitted into the General Honors Program with Honors SAGE 206 (3) will have the Honors SAGE 105 (3) requirement waived.

Certification

Students who complete all General Honors courses with a grade of "B" or better, and who maintain a cumulative G.P.A. of 3.2 or better will be awarded a General Honors Certificate. All honors coursework and successful completion of the General Honors Program will be noted on students' official St. Andrews transcript.

Alpha Chi

Alpha Chi is a national coeducational honor society with the purpose of promoting academic excellence and exemplary character among college and university students. Its name derives from the initial letters of the Greek words *Alethia*, meaning "truth," and *Xarakterk*, meaning "character."

In addition to honoring scholarly achievement, Alpha Chi seeks to find ways to assist its members in cultivating those habits of mind and heart that, according to the Alpha Chi constitution, "make scholarship effective for good."

Eligibility

As a general honor society, Alpha Chi admits members from all academic disciplines. Students with junior or senior standing and a minimum of 24 credits at St. Andrews are eligible for induction into Alpha Chi (beginning with 1996-97 students in the St. Andrews at Sandhills Program who meet these eligibility requirements are also eligible for induction into Alpha Chi).

At St. Andrews, induction into Alpha Chi also requires a cumulative G.P.A. of 3.7 or above for seniors and a cumulative G.P.A. of 3.8 or above for juniors. Beginning in 1996-1997 the minimum cumulative G.P.A. for induction for both juniors and seniors will be 3.75.

Eligibility for fall induction is calculated from grades of the previous spring; for spring induction, on grades of the previous fall.

Benson Fellows

First-year, non-transfer, degree-seeking students who have earned a minimum cumulative G.P.A. of 3.50 after their Winter Term will receive the Benson Fellows distinction. Students are ineligible for this award if they have incomplete grades or grades of "F" at St. Andrews. A Benson Fellow may not claim both this honor and the Sophomore Honors. This academic award was established to recognize Thomas L. Benson, vice-president for Academic Affairs 1986-1993.

Dean's Honor Roll

The Dean's Honor Roll recognizes all degree-seeking students who have met all four of the following conditions:

1. Have earned a minimum term G.P.A. of 3.50 at the end of either a Fall or Spring Term; and
2. Have completed a minimum of 11 credits for that term; and
3. Who have earned a grade of "C" or above in each course; and
4. Who have not received a grade of "I" (Incomplete) in any course in the term.

Exchange students are eligible for the Dean's Honor Roll if they have met all other academic qualifications for inclusion.

Departmental Honors

The St. Andrews Departmental Honors Program offers independent study opportunities for superior students in disciplinary majors.

Eligibility

Students must have achieved and maintained a cumulative 3.00 G.P.A. on all coursework attempted, and a 3.30 or better in major courses. Students must also receive recommendation to the Departmental Honors Program from the faculty in which the honors are to be taken. In addition, students must be certified as eligible for Departmental Honors by the Dean of the College.

Program Requirements

To graduate with the designation “honors in (the major),” in addition to meeting graduation requirements for the B.A., B.F.A., or B.S. degree, students must:

1. Successfully complete and earn not fewer than 6 credits and not more than 12 credits of 497 Independent Study covering work in at least two regular terms with a G.P.A. of 3.30 or better in each independent study.
2. Present an honors thesis or honors project acceptable to the academic program faculty which offers the major.
3. Complete a comprehensive oral examination on the subject matter of the honors thesis; or, for students with majors in the visual or performing arts, an appropriate critique of the honors project/ performance.

An honors committee, consisting of at least one faculty member in the academic program, one faculty member outside the academic program, and one additional examiner who may be from off-campus, will certify the oral examination, exhibit, or performance as worthy of the designation “graduation with honors.”

The Dean of the College will appoint faculty members to the honors examining committee no later than the beginning of the student’s final regular term.

The faculty member supervising the student’s independent study will be responsible for reporting grades and certifying successful completion of the Departmental Honors Program.

Students who pass the independent studies but who are not certified for graduation with honors will receive appropriate course credit and grades for independent study, as determined by the supervisor in consultation with the program faculty and examination committee.

Commencement Honors

St. Andrews bestows special recognition upon those students whose academic work has been of superior quality.

Eligibility

To be eligible for distinctions, students must have earned a minimum of 55 credits at St. Andrews. Distinctions for graduation honors will be awarded in accord with the cumulative G.P.A. on all courses attempted, as described below:

Summa Cum Laude—for students with a cumulative G.P.A. of 3.90 or higher.

Magna Cum Laude—for students with a cumulative G.P.A. of 3.75 to 3.89.

Cum Laude—for students with a cumulative G.P.A. of 3.50 to 3.74.

Sophomore Honors

Sophomore Honors are conferred each spring.

Eligibility

Students with sophomore standing who have earned a minimum G.P.A. of 3.25 on all coursework attempted through the end of their sophomore Winter Term are conferred with Sophomore Honors. Sophomores are not eligible for Sophomore Honors if they have received a grade of “F” in any College course, or if they are on academic or social probation.

St. Andrews Honor Society

Eligibility

Membership in the Honor Society is awarded to students with junior or senior standing who are enrolled during the Spring Term, and who have earned a minimum cumulative G.P.A. of 3.50 in all coursework attempted, and on a minimum of 49 credits earned at St. Andrews. Eligibility is determined at the end of the Winter Term for students enrolled at St.

Andrews in Laurinburg; for students in St. Andrews at Sandhills Program, eligibility is determined at the end of the Fall Term.

Students are ineligible if they have received a grade of "F" in any coursework at St. Andrews, or if they are on academic or social probation.

ASSIST PROGRAM

The Assist Program at St. Andrews College offers an opportunity for students whose academic records and/or test scores fall below the threshold of adequacy for regular admission to St. Andrews and other selective liberal arts institutions. The Assist Program provides a maximum of 30 students with a carefully supervised one-year program of study designed to assist them in reaching their potential for academic success.

The main goal of the Assist Program is to provide a means for beginning college study with a strong foundation.

Components of the Program

1. Each Assist student is assigned two advisors: one academic and the other a talent development coordinator.
2. The Program includes an Assist Seminar, which presents discussions in how to take notes; how to remember lectures, films, discussions, and readings; how to manage one's time; general study skills; goal setting, and career planning.
3. Continual counseling encourages students to understand and to adapt to the varieties of teaching styles among faculty. "Test anxiety" is also addressed in counseling sessions.
4. Tutoring and supplemental instruction is also available.

Instead of SAGE 105, students in the Assist Program take special courses in developmental studies. DST courses seek to explicitly adopt both the content and the skills goals of SAGE 105, with the result that after a full year of Assist Program studies Assist students have

experienced the significant educational opportunities related to each of the SAGE 105 goals.

Students who successfully complete DST 151 and 152 Developmental Studies (3 credits/3 credits) with an average of "C-" or better will be exempted from SAGE 105, and will enter the SAGE sequence with SAGE 206 during their second year. Any exceptions to these policies must be approved by the SAGE Committee. Students are required to complete two DST courses during both the Fall and Spring Terms.

Students in the Assist Program may not participate in major extracurricular activities: e.g., intercollegiate athletics.

CONTINUING ADULT EDUCATION

Each term St. Andrews offers a variety of courses to serve adults in the Laurinburg and Scotland County communities. For further information, contact the Director of Continuing Education.

St. Andrews Institute for Lifelong Learning (SAILL)

SAILL offers those citizens who live in Scotland County and the surrounding communities, and who are 50 years of age and older the opportunity to continue interactive learning in a variety of forms, and to take advantage of St. Andrews special form of higher education.

SAILL also provides the opportunity for interested senior citizens to become integrated into the College community, not only as learners and teachers, but also as individuals with unique and valuable perspectives to share with others.

The membership fee is \$20 per calendar year. Selected special activities may require additional fees.

Senior Citizen Audit Program

Citizens from Scotland County and surrounding areas who are 55 years of age or older may enroll in most of the regular course offer-

ings of St. Andrews College at a discounted rate per course.

ENGLISH AS A SECOND LANGUAGE

Please see the description of this Program in the Humanities and Fine Arts Division section of this catalog.

INTERNATIONAL PROGRAMS

St. Andrews is dedicated to international experiences for all its students. Approximately 50 percent of the student body will have had at least one international experience during their years of study at the College. Opportunities for such educational/cultural experiences in other lands are offered in four different categories.

Eligibility

Students planning to participate in these study abroad opportunities must be rising juniors, have declared a major, and have earned a minimum G.P.A. of 3.0. The International Program Office assists students in preparing applications and securing passports and visas and often serves as an advocate in securing financial assistance.

St. Andrews Residential Courses Abroad

European Languages and Cultures: Brunnenburg Castle, Italy

Since 1983 the College has offered a full Fall Term in the Tyrolian Alps of northern Italy. Ten to 14 rising juniors and seniors are selected to participate in that extraordinary program, offering challenging yet flexible opportunities for students to experience European culture while studying a variety of academic subjects. Courses at the castle are taught by one faculty member from St. Andrews and by two other professors—one a literary scholar and the other an anthropologist—who live at the castle. The term begins in mid-August and concludes in

late November. The term carries 11-17 credits, depending upon the student's schedule.

Program content is designed to offer a challenging yet flexible opportunity for students to experience European culture while studying a variety of academic subjects. Conversational study of German and Italian is required to allow greater interaction with the local community.

Chinese Language and Culture: Beijing, China

Since January 1988, St. Andrews has offered a term in Beijing for selected College students. Participants engage in intensive Chinese language study and benefit from a broad and varied cultural engagement with China.

The group is housed at Capital Normal University of Foreign Languages in the heart of the capital city. There are numerous trips and excursions through the term. Teachers for the course are Chinese language scholars. The residency is under the direction of Americans who are Chinese experts, with a member of the faculty/staff from St. Andrews also in residence for the entire period. The St. Andrews resident also teaches one course. The term carries 11-17 credits depending on the student's schedule.

Students who have completed at least 30 credits with a G.P.A. of 3.0 will be eligible to apply for admission to the China residential program abroad.

Latin American Languages and Cultures: Cuenca, Ecuador

Established in 1991, the Ecuador Program exchanges students and faculty with the Universidad de Cuenca. Cuenca is Ecuador's third-largest city, and is 8,000 feet above sea level, in a valley in the Andes Mountains in southern Ecuador.

Each fall a group of Ecuadorian students and their professor travel to St. Andrews for a term. Each spring St. Andrews students and a

member of the faculty/staff travel to Ecuador, to study Spanish and other subjects at the university. St. Andrews students live in the homes of students who had studied at St. Andrews the previous Fall Term. The Program includes excursions to the Pacific coast and to the mountain forests.

Students also take a course from their St. Andrews professor. The term carries 11-17 credits depending on the student's schedule.

Junior Year Abroad Program

St. Andrews has formal exchange agreements with the University of Stirling, Scotland; with Kansai Gaidai University in Japan; and with Han Nam University in Korea. The College is also a cooperating member of the Central College Consortium, which sponsors term- and year-long study programs in Wales, England, Spain, Austria, and the Netherlands.

In addition, the College places students in the Aix-En-Provence language/cultural studies program in the south of France; and has collaborative relationships with Mansfield College, Oxford, and with the University of St. Andrews, Scotland. On the average, between two and six St. Andrews students participate in these international study experiences each year.

INTERNSHIPS

Consistent with the mission of the College that emphasizes intellectual excellence, ethical values, and effective and responsible participation in society, the St. Andrews Internship Program provides opportunities for students to:

1. Expand their awareness of the world beyond campus by exposure to a variety of careers, disciplines, lifestyles, and environments.
2. Explore potential careers, clarify their educational and career goals, develop new skills, gain valuable work experience, and develop professional contacts.

3. Gain experience in the disciplined and discriminating use of evidence in making decisions and solving problems in a work setting.
4. Develop self-reliance, personal style, values, and beliefs in a manner consistent with becoming responsible and productive individuals.

Recognizing the individuality of each student and each internship experience, it is clear that these goals are achieved to varying degrees, by various means, and with varying emphases.

Through experiential learning, St. Andrews makes it possible for students to apply classroom education to the demands of a work setting. At St. Andrews, one type of experiential learning is the academic internship, an exciting and challenging part of a St. Andrews education recognized by the faculty for its learning value.

Academic internships are available in every program at St. Andrews for any student who meets eligibility requirements. Internships can occur during any term, and in almost any geographical location. In the past, St. Andrews students have worked for IBM, Rockwell International, the National Archives, the EPA, NASA, ABC's "Good Morning, America!", national congressional offices, the Indian Law Center, hospitals, law offices, social services agencies, churches, radio and television stations, newspapers, and art museums.

Washington Center

Of special interest are the internships available in Washington, D.C. Students compete for term-long positions offered through the Washington Center in agencies such as the U.S. State Department, the Smithsonian Institute, or other agencies with concerns related to most majors at St. Andrews.

Eligibility for Internship Participation

Students normally must have a cumulative G.P.A. of 2.5 or better, must be in good academic standing, and have the recommendation of the faculty sponsor. Some departments may have additional requirements. All internships must be approved by the worksite supervisor, the academic department and division granting credit, and the Internship Director.

THE ST. ANDREWS ACADEMY

The St. Andrews Academy is a highly-selective residential program offering talented, academically-motivated high school students the opportunity to begin their college education one year early. The purpose of the St. Andrews Academy is to provide academic stimulation to advanced high school students. Toward that end, Academy students follow the curriculum for first-year honors students at St. Andrews. In addition, Academy students take courses that address their unique academic and creative needs. All Academy students are also expected to enroll in the first-year-level SAGE courses.

Academy students reside on campus in a reserved area of a residence hall, and are supervised 24 hours per day, 7 days per week by live-in resident mentors and residential counselors. Careful and individualized monitoring of academic and personal progress is a main component of the program. Academy students have access to all St. Andrews academic programs, including opportunities to spend Winter Term abroad.

The cost of the Academy is the same as the basic fees for St. Andrews College, with the addition of a \$500.00 participation fee. Academy students are eligible for the full range of financial assistance available at St. Andrews College.

Students who attend the Academy may choose to continue their undergraduate education at St. Andrews College. Satisfactory completion of one year in the Academy leads to acceptance as a sophomore at the College. Academy students who choose to transfer from St. Andrews to another institution are in most instances granted full credit for courses completed and are therefore eligible for sophomore or equivalent status.

ST. ANDREWS AT SANDHILLS

St. Andrews College offers evening and weekend classes leading to the bachelor's degree on the campus of Sandhills Community College in Pinehurst, North Carolina. Five majors are offered there: Major in Business Administration (B.A.), Major in Creative Writing (B.F.A.), Major in Education (B.A.), Major in Liberal Arts (B.A.), and Major in Psychology with a Specialized Program of Study in Human Services (B.A.) For descriptions of these majors, see their respective sections in this catalog. Students may not complete double majors or minors in the St. Andrews at Sandhills Program.

St. Andrews at Sandhills is especially designed to meet the needs of working adults who are unable to pursue a day program because of work schedules.

All permanent records and files for St. Andrews at Sandhills are kept on the Laurinburg campus. Only advising files are housed on the St. Andrews Sandhills campus.

SUMMER TERM

Attending summer school at St. Andrews is an excellent way for students to experience the purpose of the College in a short time span at a reduced tuition cost. St. Andrews holds one summer session with a variety of courses offered in almost all majors.

In addition to the regular College courses, many special programs are offered for teachers, high school students, and Laurinburg area residents. For further information, contact the Registrar's Office.

WINTER TERM

St. Andrews' four-week term in January provides a time for experimentation, innovation, and variety in learning experiences, and presents subject matter and areas of study not offered in the same form in the Fall and Spring Terms. Winter Term offers opportunities to explore new interests, to combine theory and experience, and to pursue work that lends itself to intensive application.

Winter Term courses are required for graduation and are as important as regular term courses. A Winter Term course occupies a student's full academic time for the month.

More than 35 courses are approved for Winter Term each year and provide opportunities for in-depth study of a particular subject on the St. Andrews campus, elsewhere in this country, or at locations throughout Europe, Asia, Africa, or Latin America.

Students in the past several years have studied theater in London, archaeology in Mexico, marine biology in Venezuela, folk music in Scotland, and the secular city in New York.

Others have had internships in social work and special education through local and regional agencies.

Students have also studied the stock market and investments, African fiction, human genetics, the future, psychopharmacology, transformational grammar, and contemporary British fiction. Students may also propose independent study projects for the term.

Students must take one Winter Term course for each full academic year in attendance in St. Andrews. A major program may require one Winter Term course.

Students may choose no more than two Winter Term courses within their major. One Winter Term internship completed during a student's junior or senior year may be counted as a 300-400 level course.

St. Andrews welcomes students in good standing at other accredited colleges and universities to its Winter Term. Although it has no formal exchange agreements with other institutions, St. Andrews is willing to waive tuition for students from other institutions which agree to do the same for St. Andrews students. Students interested in attending St. Andrews Winter Term may obtain applications and registration forms from the Registrar's Office.

Academic Policies

ACADEMIC CALENDAR

St. Andrews follows a 4-1-4 academic calendar: two four-month terms, Fall and Spring, separated by a one-month January Winter Term.

The Fall Term begins early in September and ends with Christmas break, the Winter Term is held in January, and the Spring Term begins in February and ends in May.

REGISTRATION

Toward the close of each term, students plan and register for their courses for the following term, in conference with their advisor. New students converse with their advisor during New Student Orientation, and complete their registration on a special date for new students at the beginning of each term.

Students who register during the advanced registration period are considered to be registered for billing purposes unless a formal cancellation of registration is filed with the Registrar.

COURSE NUMBERING

In general, courses numbered between 100-299 are designed for first-year students and sophomores; between 300-499 for juniors and seniors. A yearlong course is indicated by joining the course numbers for the two terms with a hyphen, e.g.: 101-102. Courses preceded by an "X"—e.g.: X90, X95, X98, or X99—indicate that the course may be taken at any level.

While every effort is made to schedule a well-balanced list of courses each year, some courses are offered only in alternate years. Contact the department chairperson for course availability.

COURSE LOADS

St. Andrews College recognizes 11-17 credits as a full-time course load. A full course load for a Winter Term is three credits. Students using their veteran administration stipends must register for and maintain a minimum of 11 credits to receive full benefits.

Overload/Underload

Students must have permission of the Associate Dean for Academic Affairs to register for fewer than 11 credits or for more than 17 credits. In addition, students must have the permission of their advisor and the Associate Dean for Academic Affairs to drop below 11 credits or to add above 17 credits.

Students who are permitted to register for 19 or more credits will be charged full tuition plus an additional charge for each credit above 18 (see "Other Fees" in the Financial Planning section of this catalog.)

CLASS ATTENDANCE

Regular class attendance is an important student obligation and students are responsible for all work, including tests and written work, done in all class meetings. No right or privilege exists which authorizes students to be absent from any given number of class meetings.

Instructors in each course will announce and maintain an absence policy in keeping with the nature of the course. Students should be certain that they understand this policy at the beginning of each course.

When absences from class indicate a serious lack of commitment, the Associate Dean for Academic Affairs will send an official

warning to such students upon request from their instructor. If attendance does not improve after the warning, students will be involuntarily withdrawn from the course, thus receiving the grade of "W" for the course.

Courses normally will have three 60-minute periods available for class meetings, in addition to class meeting time for laboratories, if required, each week.

SYSTEM OF GRADING

Each student receives a grade in each course at the close of the term. The grading system is as follows:

Grade Grade Points

A 4.0

A- 3.7

A grade in the "A" range indicates an excellent performance in which there has been distinguished achievement in all phases of the course.

B+ 3.3

B 3.0

B- 2.7

A grade in the "B" range indicates an above average performance in which there has been distinguished achievement in all phases of the course.

C+ 2.3

C 2.0

C- 1.7

A grade in the "C" range indicates an average performance in which a basic understanding of the subject has been demonstrated.

D 1.0

A grade of "D" indicates a passing performance in which, despite recognizable deficiencies, there is enough merit to warrant a credit.

F 0.0

A grade of "F" indicates failure.

W 0.0

A grade of "W" indicates withdrawal from class and will be recorded, but will not be counted as a course attempted when computing the G.P.A.

I 0.0

A temporary grade of "I" indicates an incomplete for a course.

P 0.0

A grade of "P" indicates satisfactory performance in a course and will be recorded, but will not be counted as a course attempted when computing the G.P.A.

NA 0.0

Grade not available at the time grades were compiled (assigned by the Registrar).

AU 0.0

Audit.

Grade Points and the Grade Point Average (G.P.A.)

Grade points are the numerical equivalent of the letter grade. The total number or grade points for a course is obtained by multiplying the numerical equivalent (1.0 to 4.0) by the number of credits assigned to the course. The G.P.A. is compiled by dividing the number of grade points earned by the number of credits attempted.

Credits attempted for courses with a grade of "F" earned before the beginning of the 1991 Fall Term will not be included in the total credits attempted for the purpose of computing grade point averages.

Report of Grades

Students receive academic reports at the end of each term and are informed of any disciplinary action. Students are expected to inform their parents in such cases, and not leave this responsibility to the officials of the College.

Grade Appeal Procedure

In the event that a student feels the grade for a course is not a fair evaluation of the student's effort and performance, the student should make every attempt to resolve the dif-

ficulties by discussion with the instructor involved.

If such discussions do not result in a satisfactory solution to the problem, the student should seek the assistance of the appropriate program chairperson in resolving the problem.

If this fails, a grade appeal committee will be formed by the program chairperson. This committee will consist of three faculty members: one selected by the instructor involved, another by the student, and the third (who shall be chair) by the agreement of the first two faculty members selected. It is expected that the committee will receive full cooperation from all parties involved. To take effect, the committee's decision must be ratified by the Dean of the College.

Any formal grade appeal action involving a committee must be initiated by the student at least two weeks prior to the date for clearing incompletes for the term in which the course was taken. The committee shall reach its decision before the date for clearing incompletes for that term. When special conditions exist, this timetable may be altered by the Faculty Executive Committee.

Pass-Fail Option Grading

Eligible students may exercise the pass-fail option for no more than 4 courses, including Winter Term and the regular terms. Students with junior or senior standing may select a total of two elective courses to be graded on a pass-fail basis. Courses required to complete a major may not be selected for the pass-fail grading option. Students may enroll in a maximum of two Winter Term courses that are offered as only pass-fail.

Students who wish to designate a course to be graded on the pass-fail option must do so in the Registrar's Office no earlier than four weeks before the end of classes and no later than two weeks before the end of classes. Certain courses, with the approval of the Educational Policy Committee, are exempt from this requirement.

Course Audits

Students must have the permission of the Associate Dean for Academic Affairs to audit a course. The same registration guidelines and procedures apply to courses to be audited as with any other courses.

Course Additions, Incompletes, Failures, Withdrawals, and Repeat Courses

Students are permitted to drop or add courses with approval of their faculty advisor for a period of one week following the day of registration. Students may not withdraw from a course after the 10th class day following the day midterm grades are due in the Fall and Spring Terms without the approval of the Faculty Executive Committee.

An incomplete, "I," is given only when circumstances do not justify giving a specific grade. It must be removed within the first four weeks of the term following the one in which the incomplete was received. If not, the incomplete becomes a failure, "F."

A failure, "F," cannot be removed from a student's record. If the course is required for graduation or for a major, it should be repeated the next time it is offered. A course for which credit has been received cannot be repeated without permission of the Associate Dean for Academic Affairs.

When students withdraw from a course for any reason before the last day of the drop period with the instructor's and faculty advisor's approvals, a grade of "W" will be recorded.

EXTERNAL EXAMINATIONS

Students may receive credit by examination through the College Level Examination Program (CLEP), and the Advanced Placement Program (APP).

CLEP

Students may earn credit toward graduation through the CLEP General Examinations

and/or Subject Examinations. These General and Subject Examinations measure a student's knowledge of basic facts and principles usually covered at the first-year and sophomore levels. Students may receive a maximum of 9 courses (27 credits) by scoring at the 50th percentile or above on any combination of the General or Subject Examinations.

APP

Students achieving a score of three or higher on any Advanced Placement Program examination will receive credit in the subject at St. Andrews.

Advanced Credit for First-Year Students

First-year students who submit official transcripts of college-level credit earned in liberal arts courses in regionally-accredited colleges and universities may receive credit for those courses at St. Andrews. If a college-level course is being used to satisfy high school graduation requirements, St. Andrews will consider granting College credit for these courses on an individual basis.

EXCESSIVE ENROLLMENT IN SPECIAL STUDIES, INTERNSHIPS, TEACHING PRACTICA, AND GUIDED INDEPENDENT STUDIES

Students who propose to schedule more than 6 credits in one term from courses numbered X90, X95, X98, and/or X99 must receive approval from each Division Council involved and from the Dean of the College.

CLASSIFICATION OF STUDENTS

A student's classification depends upon the amount of College credit received. Credit for College work is recorded in courses satisfactorily completed. Students are classified as follows:

Seniors have passed 90 credits

Juniors have passed 60 credits

Sophomores have passed 28 credits

First-Year Students have met regular admission requirements.

Special Students if admitted as a non-degree candidate. Regularly-admitted students may not choose this classification to avoid required courses.

ACADEMIC REGULATIONS FOR THE ACADEMY

Academy students shall have the same academic status and be under the same academic regulations as all other entering first-year students.

Special Courses

In the Fall Term, Academy students register into special SAGE 105 section(s) for Academy students only. In the Spring Term, Academy students register into SAGE 206 in the same manner as all other first-year students.

General Honors Program

Academy students with a cumulative G.P.A. of 3.2 after the Fall Term may petition for entrance into the General Honors Program. If accepted, then Academy students will be required to enroll into Honors 150 Honors Enrichment (1) in the Fall Term.

Maintaining Satisfactory Progress in the Academy

The academic progress of Academy students will be assessed after midterm grades are computed, and at the end of each term, including Winter Term. Academy students who fail

to maintain a G.P.A. of 2.0 at midterm, or at the end of a term will be placed on academic warning and may not continue at St. Andrews without the permission of the Academy Headmaster and the Faculty Executive Committee.

MAINTAINING SATISFACTORY PROGRESS

To maintain satisfactory progress toward a degree, students classified as first-year degree-seeking students must have a cumulative minimum G.P.A. of 1.50; sophomores a cumulative minimum G.P.A. of 1.70; juniors and seniors a cumulative minimum G.P.A. of 1.90.

Full-time students must pass a minimum of 9 credits during a regular term to maintain satisfactory progress.

Academic Probation

Students who fail to maintain satisfactory progress toward a degree, either in the G.P.A. requirement or in the courses passed requirement will be suspended, or will be placed on academic probation if allowed to continue.

Students not placed on academic probation and who fail to maintain a minimum G.P.A. of 2.0 for a regular term, or a cumulative G.P.A. of 2.0 will receive an academic warning letter.

Students on academic probation who fail to show marked improvement in academic work during the term following the placement on academic probation will be withdrawn from the College. A student still on academic probation after two successive regular terms on academic probation is normally ineligible to return. In any case, continuance on academic probation or dismissal from the College is determined after consultation with the Dean of the College and the Faculty Executive Committee.

Students placed on academic probation because of a lack of satisfactory progress may be removed from probation by the satisfactory completion of a minimum of 8 credits during the succeeding Summer Term at St. Andrews.

Students who are on academic probation for two consecutive Fall and/or Spring Terms are ineligible for financial assistance.

Eligibility Rules for Extracurricular Activities

All students placed by the Faculty Executive Committee in the category: "may not continue without permission of the Dean" may not be eligible to participate in any major extracurricular activity, e.g.: intercollegiate athletics, drama productions, offices and standing student government committees, and musical organizations. In unusual circumstances, when the Dean of the College has ascertained that a student's academic performance will not be adversely affected, the Dean may, as part of the conditions of the student's continued enrollment at the College, allow limited participation in selected extracurricular activities.

A student who is placed on academic probation in two consecutive regular terms, and who does not get off academic probation prior to the beginning of the next regular term will be ineligible to participate in any major extracurricular activity.

Students convicted of Community Code violations are normally ineligible to participate in major extracurricular activities for 12 months following the conviction.

APPLICATION FOR GRADUATION

In order to be considered a candidate for a bachelor's degree, students, at least one term before their projected graduation date, must complete a "Graduation Application" and a "Graduation Audit." The application for graduation carries a fee (see "Other Fees" in the Financial Planning section of this catalog.) Both applications are available from the Registrar's Office.

After students and their advisor have completed the Graduation Audit, students are responsible for submitting it to the Registrar's Office. At this time, students should make an appointment in the Registrar's Office to review their audit.

ACADEMIC RESIDENCE REQUIREMENTS

Students must complete their last 30 credits at St. Andrews College in order to obtain a degree from the College.

WITHDRAWAL FROM THE COLLEGE

Applications for official withdrawal from St. Andrews are available from the Dean of Students. Students are responsible for obtaining and completing the form, then submitting the form to the Associate Dean for Academic Affairs, along with their identification card.

Students withdrawing during the first week of classes receive no grades.

After the first week of classes, grades of "W" are given under the same procedure used for dropping one course. Students who leave the College without completing the withdrawal procedure will receive failing grades in all courses and will not be entitled to refunds (See "Refunds for Cancellations and Withdrawals" in the Financial Planning section of this catalog.)

SUMMER WORK AT OTHER INSTITUTIONS

Students who desire to receive credits toward their St. Andrews graduation requirements for courses taken over the summer at another institution must have the approval of their St. Andrews advisor, the chairperson of the division in which the course(s) would be taught at St. Andrews, and the Registrar.

The institution at which the summer work is to take place must be fully accredited.

Credit will be granted only for those courses which are at the college level, and which fulfill graduation requirements at the other institution. For credit to be given at St. Andrews, students must earn a grade of "C" or higher in the course.

Students are responsible for requesting an official transcript from the other institution to be sent to St. Andrews when the coursework is completed and the grade recorded.

CORRESPONDENCE STUDY

Students who are attending St. Andrews full-time and who desire to enroll in extension courses, correspondence courses, and courses for credit from other fully accredited institutions must have the approval of St. Andrews' Dean of the College.

Credit toward St. Andrews graduation requirements will be granted only if students earn a grade of "C" or better in the course(s).

A maximum of two approved extension and/or correspondence courses may be accepted by St. Andrews as meeting graduation requirements.

Additional information about this type of study may be found in the student handbook, *The Saltire*.

Student Life & Resources at St. Andrews

Life beyond the classroom at St. Andrews is exciting and meaningful. Opportunities abound for students to enrich their educational experiences in this living and learning environment through extracurricular and recreational activities, residence hall programs, athletics and intramurals, social events, clubs and organizations, student governance programs, volunteer service, religious and spiritual programs, and leadership activities. In addition to activities and events, a broad range of services is offered to support the academic program.

ST. ANDREWS COMMUNITY CODE

St. Andrews Presbyterian College is not only a place of learning, it is also a community of learning. The difference is that in a collegiate community, members are committed to pursuing their individual purposes in accord with those of others and in integrity with the Statement of Purpose of the College.

To realize our community, we must not only trust each other, we must also pledge to be worthy of that trust. For that reason, all of us enter membership in St. Andrews by making this pledge:

“I promise to support the mission of St. Andrews Presbyterian College by conducting my academic work with honesty and by treating others with respect, and by holding others accountable to this Community Code.”

Academic dishonesty includes (but is not limited to) lying, cheating, plagiarizing, computer misuse, and unauthorized removal of materials from DeTamble Library.

Disrespect to others includes (but is not limited to) lying, stealing, hazing, harassment, verbal or physical assault, misuse of identification or access cards, and property damage.

ATHLETICS

The intercollegiate athletics experience at St. Andrews is designed to enhance participating students' academic challenges. St. Andrews intercollegiate athletics is a character-building experience in team play, selflessness, and courage; an experience that will be treasured by graduates, and considered an investment in their future success and happiness.

Both men's and women's teams at St. Andrews are members of the National Collegiate Athletic Association (NCAA), Division II; as well as of the newly-configured Carolinas-Virginia Athletic Conference (CVAC).

There are 15 NCAA teams: men's basketball, soccer, cross-country, track, tennis, baseball, golf, and lacrosse; women's basketball, soccer, cross-country, track, tennis, softball, and volleyball.

St. Andrews is also proud to be the home of a championship equitation program, open to both men and women for competition and recreation.

Varsity athletic teams have been successful in all levels of competition. Students are

encouraged to participate in any program in which they have interest and/or experience, whether or not they have been recruited by a coach.

CAREER SERVICES

The Career Services Center helps students apply their undergraduate accomplishments and experiences to a variety of outcomes, including obtaining a job and/or gaining acceptance into graduate or professional schools.

The Director works individually with students to create a personal credentials portfolio that includes a professional resume, confidential letters of reference, and transcripts. The portfolio greatly enhances students' opportunities for success in the job market and/or in graduate or professional schools. Through a wide variety of workshops and experiential learning activities, students learn how best to present themselves as they interact with potential employers and/or graduate school officers.

The Center also provides a broad range of other services, including on-campus visits by corporate recruiters, participation in state and regional job fairs, a comprehensive library of career resources and graduate catalogs, current job openings, resume reviews, and information about hundreds of companies.

Students are invited to become acquainted with the staff and the services of the Career Services Center as early as their first term at St. Andrews. Early and frequent contact with this valuable resource is the key to success after graduation.

THE CAREER AND PERSONAL COUNSELING CENTER

Located on the St. Andrews campus but operated by the Presbyterian Synod of the Mid-Atlantic, the Career and Personal Counseling Center is known throughout North Carolina for its excellent career testing and personal and

occupational counseling services. St. Andrews maintains a contractual agreement with the Center which allows students to use Center services free of charge. The staff assists students in dealing with personal concerns, as well as with educational and occupational decision-making.

Resources include an up-to-date occupational and graduate school library, as well as a computer-based aid to career decision-making, "Discover".

Appointments are made on an individual basis, and are highly confidential. Information and materials concerning a student will not be released to any institution or person without the express written permission of the student.

DINING

The Belk Center Cafeteria serves three meals daily throughout the regular academic year. In addition to traditional hot meals, cafeteria fare includes a multi-item soup and salad bar, a sandwich bar, and the option of continental breakfast. Students, faculty, and staff enjoy their meals in the cafeteria dining room, or outdoors on the lakeside terrace.

All students who live in College residence halls are required to carry the College meal plan. Exceptions are rarely made, and must be accompanied by extensive documented medical dietary requirements that cannot be accommodated by the food service program. Students living off-campus may purchase a long-term meal ticket.

The Gathering Place, located one floor above the Belk Center Cafeteria, is a snack bar that serves evening refreshments in a friendly atmosphere.

HEALTH AND REHABILITATION SERVICES

St. Andrews provides routine medical and first aid services to students at no extra charge in the Health Services Center, located in the Burris Rehabilitation Center on campus. A College nurse is available 24 hours per day, seven days per week. Overnight care in the Health Services Center is available for students living in residence halls; however, students needing special care or more than normal bedside attention are referred to nearby Scotland Memorial Hospital, located just north of campus. Hospital care, prescription medications, and/or the services of physicians located off-campus are students' financial responsibilities.

The Burris Rehabilitation Center also houses the Highland Residence Hall, a residence area especially equipped to house and support students with physical disabilities. A wide range of services are available, including counseling, rehabilitation nursing, physical therapy, adaptive physical education, driver education, wheelchair repair, and transportation. Fees for these services may be found in the "Financial Planning" section of this catalog.

INTRAMURALS

Many students participate in the St. Andrews intramural program, which is active throughout the regular academic year. Intramural competition is sponsored in flag football, basketball, tennis, racquetball, horseshoes, billiards, and softball. Additional activities—board games and various card tournaments—are also sponsored throughout the year.

RELIGIOUS LIFE

St. Andrews is a church-related College, encouraged by the Presbyterian Church to pursue truth in rigorous and freeing ways. St. Andrews is not sectarian: it is ecumenical in its outlook and in its commitments. Worship services are open to both the College and the Laurinburg communities. Bible studies, seminars and study groups, retreats, and service events are ways in which beliefs are reflected in action in the College's religious life program.

RESIDENCE LIFE

St. Andrews in Laurinburg is a residential, liberal arts College, where the daily living environment plays as important a role in student learning and development as the academic experience. As a result, all students on the Laurinburg campus are required to live in the residence halls. Students within commuting distance may apply for nonresident status through the Dean of Students.

Exceptions to this policy are granted only to those students who are

1. Living at home with their parents or guardians, and who are within commuting distance; or
2. Married; or
3. 23 years or older prior to matriculation.

There are eight residence halls on campus: four multistory, single sex halls; three single-story, coed halls; and Highland Hall for students with physical disabilities. Each hall has a large main lounge with a television. Residence halls, with the exception of Highland Hall, have either seven or eight suites. Each suite has six or seven rooms, a telephone for campus and local calls, a small common lounge, and a bathroom. Rooms are equipped with a telephone jack for campus and local service. Long-distance service may be obtained through the College Plan, or with a long-distance company of the student's choice.

Live-in Area Coordinators are professional staff who support and counsel residents, coordinate programming, and advise hall councils. Area Coordinators work closely with student leaders to maintain an atmosphere that is conducive to intellectual and academic pursuits; an atmosphere that fosters respect for College property and policies.

The Director of Campus Life administers the residence life and student activities programs, under the direction of the Dean of Students.

STUDENT ACTIVITIES

Social Events

Many opportunities for involvement in social activities are provided for St. Andrews students. Catering to a diverse student body, St. Andrews offers something for everyone.

An array of social events sponsored by the Office of Student Activities, residence halls, the Student Activities Union, and other clubs and organizations fill the calendar. Movies, parties, dances, athletic events, performing artists, comedians, coffeehouse entertainment, and novelty/variety shows are all highly anticipated events. Residence halls sponsor annual theme parties that are eagerly-awaited. And then there's Extravaganza, a weekend party held annually every spring, with many traditional and not-so-traditional events scheduled.

Community Service

The Community Outreach Program at St. Andrews promotes unity between the College and the community through its involvement and volunteerism with community agencies. Many opportunities for students to share their talents, resources, and time are available: students have worked for Habitat for Humanity, Scots For Youth (a big brother/big sister program), the Red Cross, the Scotland Memorial Hospital Medical Auxiliary, and more. The Office of Community Outreach serves as an information clearinghouse to help students

identify community service opportunities both on- and off-campus; to locate agencies and organizations that need assistance; and to find training to meet the qualifications needed for various agencies and organizations in the community.

St. Andrews Fortner Writers' Forum

The Fortner Writers' Forum hosts weekly literary readings for students, faculty, staff, and guests. The Writers' Forum has hosted Tom Wolfe, Donald Keene, Fred Chappell, James Dickey, Reynolds Price, James Laughlin, Robert Creeley, Romulus Linney, Carolyn Kizer, Robert James Waller, and former St. Andrews professor Clyde Edgerton.

Another valuable component of the Writers' Forum is the opportunity for an informal question and answer period with the guest writer, held after the reading.

St. Andrews Press

Leading writers from across the nation and around the world come to St. Andrews, attracted by the activities of one of the finest small presses in the nation. The St. Andrews press has published over 120 books since its founding in 1969.

Student Literary Endeavors

St. Andrews strongly encourages students to create original works of creative writing. Seniors may participate in the Chapbook Competition, in which the winning student has his or her work printed. The student literary magazine, *The Cairn*, is published annually, and welcomes submissions from both beginning and experienced writings, on the St. Andrews campus and around the nation.

St. Andrews Highland Players

St. Andrews theatrical and video-producing organization, the Highland Players, offers students performance and production experience in mainstage theatrical productions, student studio performances, video features, and dramatic readings. All students are invited to participate and attend these events.

Student Organizations

There are a variety of clubs and organizations at St. Andrews, with membership in most open to any interested person (there are a few that require a selection process). Students may join the:

- Black Student Union
- Booster Club
- Business Club
- The Cairn*
- CHAOS (CHemistry And Other Sciences)
- Christian Service Fellowship
- College Republicans
- Computer Science/Math Club
- Debate Team
- Eco-Action
- Ecuadorian Club
- 'Ganza
- Kendo
- The Lamp and Shield* (yearbook)
- The Lance* (student newspaper)
- Model United Nations
- PATHWAYS (wellness program)
- Philosophy Symposium
- Physical Therapy Club
- Riding Club
- Rugby Club
- Student Activities Union
- Tri-Beta (national biology honor society)
- Unexplained Phenomena
- World Cultures
- Young Democrats

STUDENT RIGHTS AND RESPONSIBILITIES

St. Andrews students are members of a community. Conditions of membership are written in *The Saltire*, the student handbook. A copy of *The Saltire* is distributed to all students at the beginning of the Fall Term. Students are expected to conduct their lives responsibly and with regard for the rights of others. When a student chooses to act in ways contrary to the purposes, policies, and procedures of St. Andrews College, the College reserves the right to require the withdrawal of the student. This right is normally executed by the Dean of Students.

Degree Requirements

GENERAL REQUIREMENTS

St. Andrews offers three degrees: the bachelor of arts, the bachelor of science, and the bachelor of fine arts. Candidates for each degree are required to complete at minimum 120 credits, with a grade point average of 2.0 in all work attempted, as well as in the major field. Winter Term courses are required, and students must complete one Winter Term course of 3 credits for each year they are enrolled. A minimum of 36 credits at the 300-400 levels must be completed for graduation. This minimum total number is composed of courses in the major and electives. This number does not include Winter Term courses, with the following one exception: one Winter Term internship completed during the junior or senior year may count as a 300-400 level course.

Beginning with the 1983-1984 academic year, one St. Andrews credit is equivalent to one semester hour. Each course taken at St. Andrews before this date will carry 3.5 credits.

Although faculty advisors help students plan their course of study, students are responsible for seeing that the courses taken meet the requirements for graduation.

DEGREES OFFERED

Bachelor of Arts

The B.A. is offered in Asian Studies, Biology, Business Administration, Communications and Performing Arts, Chemistry, Education, English, History, International Business, Liberal Arts, Mathematical Sciences, Politics, Philosophy, Physical Education and Sports Medicine, Psychology, Religious Studies, and Visual Arts.

Required Courses

St. Andrews General Education	15
Breadth Requirements	19-26
Major Requirements	30-56
Electives	23-56
Required Minimum Total	120

Bachelor of Fine Arts

The B.F.A. is offered in Creative Writing.

Required Courses

St. Andrews General Education	15
Breadth Requirements	19-26
Major Requirements	40-56
Electives	23-46
Required Minimum Total	120

Bachelor of Science

The B.S. is offered in Biology, Chemistry, Psychology, and Mathematical Sciences.

Required Courses

St. Andrews General Education	15
Breadth Requirements	19-26
Major Requirements	48-56
Electives	23-38
Required Minimum Total	120

St. Andrews General Education

Director: William Throop

St. Andrews General Education (SAGE) was designed by the St. Andrews faculty as a whole for the St. Andrews student body as a whole. As such the goals it pursues reflect the mission of the College in several distinctive respects:

GOALS

1. SAGE is committed to realizing St. Andrews mission to be a College of the church. By providing an opportunity for students to attain a degree of biblical literacy while at the same time cultivating the critical skills needed to reason about that tradition, St. Andrews aims to avoid both the fanaticism of an anti-intellectual faith and the cynicism of knowledge without faith.
2. SAGE plays a major role in realizing the College's objective of graduating "informed, articulate individuals, with a comprehension of the complex nature of the problems facing a diverse but interdependent global community, and with the knowledge and skills necessary to lead productive, professional lives."

By concentrating on primary sources placed against the background of the best scholarship illuminating their respective historical epochs, SAGE students may refine both their ability to think

in the categories of the document, and their ability to think critically of the document and its categories. There are graduated expectations throughout the SAGE curriculum for students' abilities to express ideas clearly and cogently, to distinguish fact from opinion, to argue effectively, to appreciate and emulate good scholarship, and to recognize the ways in which the values in play in a given epoch affect the dynamics of history. SAGE addresses important human issues as they arise in specific historical periods, including our own epoch, from the perspective of a variety of disciplines and cultures.

3. Finally, SAGE is designed to "encourage students to...transcend self-interest with a spirit of service." This collegiate mission is addressed in the attempts of the SAGE curriculum to value knowledge for the quality of action it facilitates, and to encourage each other to find personal fulfillment in the social value to what knowledge prepares us to do.

Students enroll in SAGE courses each Fall and Spring Term of their first and second years, and in the Fall Term of their fourth year at St. Andrews. The third year is "SAGE-free" to better allow for study-abroad and internships.

SAGE Courses

SAGE 105 The Individual and the Community:

Responsible Citizenship 3

SAGE 206 World Cultures I: The Ancient World 3

SAGE 207 World Cultures II: Medieval World Through the Rise of Modern Science 3

SAGE 208 World Cultures III: Eighteenth Through Twentieth Centuries 3

SAGE 409 Global Issues and Human Values 3

BREADTH REQUIREMENTS

To acquire the breadth in educational experience which characterizes St. Andrews view of liberal learning, and to build a broad foundation for specialization, all students must complete seven breadth courses (19-26 credits), in addition to SAGE and major requirements.

I. CRITICAL AND QUANTITATIVE THINKING: 3-4 CREDITS

Students must elect at least one course from the list of approved courses below:

B/E 209 Principles of Accounting I	3
Chem 150 Chemistry: Observation and Measurement	3
Chem 201 Structure and Reactivity (General Chemistry I)	3
Math 105 For All Practical Purposes: College Mathematics for the General Student	3
Math 115 Precalculus	3
Math 205 Statistics I	3
Math 216 Topics in Discrete Mathematics	3
Math 221 Calculus I	4
Math 222 Calculus II	4
Phys 201 College Physics I	4

II. FINE ARTS: 3 CREDITS

Students must elect at least one course from the list of approved courses below:

Art 111 Introduction to the Visual Arts	3
Art 145 Design I	3
Art 245 Design II	3
Art 261 Art History Survey I	3
Art 262 Art History Survey II	3
Art 347 Comparative Art Forms: East and West	3
Art 360 Seminar in Modern Art	3
Comm 245/345 Oral Interpretation	3
CW 221 Creative Writing	3
CW 245/345 Oral Interpretation	3
Mus 210 Music Theory I	3
Mus 236/336 Jazz Appreciation	3
Mus 245/345 Music in American Popular Culture	3
Mus 248/348 Blues Appreciation	3
Mus 272/372 Musics of Asia	3
Mus 273/373 Musics of Africa and Latin America	3
Mus 274/374 Musics of the Celtic World	3
Thea 142 Improvisation	3
Thea 203 Acting	3
Thea 245/345 Oral Interpretation	3
Thea 344 Modern Drama	3
Thea 445 World Drama	3

III. HEALTH AND PHYSICAL EDUCATION: 3-4 CREDITS

Students must elect either HPS 100 or HPS 210 AND one 200-level activity course.

HPS 100 Concepts of Lifetime Wellness	2
HPS 210 Personal and Community Health	3
PE 200-2XX	1

IV. HUMANITIES: 3 CREDITS

Students must elect at least one course from the list of approved courses below:

Comm 341 Philosophical Issues in Mass Communications	3
CW 213 Aesthetics	3
CW 215/315 Religion in Stories, Plays, and Films	3
CW 216 Existentialism	3
Eng 209 Survey of the Literature of the United States	3
Eng 210 Classics of the Western Literary Tradition	3
Eng 211 Masterpieces of English Literature	3
Eng 251 Black American Literature	3
Eng 252 Modern Poetry	3
Eng 339 Japanese Fiction and Film	3
Eng 362 Saints and Heroes of the Middle Ages	3
Eng 371 The Cantos: American Epic	3
Eng 372 Myth and Agro-Archeology	3
Lit 209 Survey of the Literature of the United States	3
Lit 210 Classics of the Western Literary Tradition	3
Lit 211 Masterpieces of English Literature	3
Lit 339 Japanese Fiction and Film	3
Lit 445 World Drama	3
Phil 100 Introduction to Philosophy	3
Phil 212 Ethics	3
Phil 213 Aesthetics	3
Phil 214 Philosophy of Religion	3
Phil 216 Existentialism	3
Phil 217/317 Philosophy of Mind	3
Phil 218 Social and Political Philosophy	3
Phil 231 Business Ethics	3
Phil 241 Philosophical Issues in Mass Communication	3
Phil 246 Environmental Philosophy	3
Phil 301 The Beginnings of Philosophy	3

Phil 302 Jewish, Christian, and

Islamic Philosophy

Phil 303 Modern Philosophy and Scientific Revolutions

Phil 304 Recent Philosophy and the Technological Revolutions

Phil 315 Philosophy of Science

RS 100 Quest for Religious Meaning

RS 202 The Christian Story (Introduction to Christian Beliefs)

RS 209 The Bible Today

RS 210/310 Religion and Psychology: A 20th Century Dialogue

RS 213 Social Issues in Ethical and Religious Perspectives

RS 215/315 Religion in Stories, Plays, and Films

RS 217/317 Religions and Philosophies of the East

RS 304 Old Testament Studies

RS 331 History of Christian Thought

RS 332 Women and Religion

V. LABORATORY SCIENCES: 4 CREDITS

Students must elect at least one course from the list of approved courses below:

Bio 211 Concepts in Biology I	4
Bio 212 Concepts in Biology II	4
Chem 150 Chemistry: Observation and Measurement (3), AND Chem 150L Chemistry: Observation and Measurement Laboratory (1)	4
Chem 201 Structure and Reactivity (General Chemistry I) (3), AND Chem 201L Structure and Reactivity Laboratory (1)	4
Env Sci 161 Environments: A User's Guide	4
Phys 201 College Physics I	4
Phys 211 General Physics I	4
Psy 201 Introduction to Psychology (3), AND Psy 201L Introduction to Psychology Laboratory (1)	4

**VI. LANGUAGE AND CULTURE:
CREDIT VARIES****Students must elect at least one
option from the list of approved
options below.**

FL 152 Chinese, French, German, Greek, or
Spanish Language II (Prerequisite for
152: FL 151) 3

FL 155 Practical French Conversation or
Practical Spanish Conversation 3

*An Approved Residential Course Abroad
chosen from: credit varies
Beijing
Brunnenburg
Ecuador

*Overseas Exchange Program ... credit varies
A grade on the CLEP examination in a
foreign language sufficient to
receive credit for FL 152, as determined
by the Registrar. credit varies

Completion of an advanced placement
foreign language course in high school,
AND an appropriate score sufficient
to receive credit for FL 152, as
determined by the Registrar. credit varies

Completion and transfer of
FL 151-152 and/or FL 155-equivalent
courses at an accredited college or
university. credit varies

**Formal foreign language study must be a component of this program.*

An exemption to the Language and Culture breadth requirement is available to those students who:

1. Have successfully completed two years of a foreign language at the high school level, or one year of college-level language for transfers; OR
2. Are a native speaker of a language other than English, and have achieved a score of 500 or above on the Test of English as a Foreign Language. The native language must be one for which the student's competence may be verified by the faculty of the Department of Foreign Languages; AND:

Have achieved an appropriate score on a foreign language placement examination sufficient to receive exemption from FL 151 and FL 152, as determined by the Department of Foreign Languages.

VII. SOCIAL AND BEHAVIORAL SCIENCES: 3 CREDITS

Students must elect at least one course from the list of approved courses below:

Anth 205 Archaeology	3
Anth 209 Introduction to Cultural and Social Anthropology	3
Anth 309 Contemporary Social Problems	3
B/E 120 Introduction to Business and Economics	3
B/E 231 Microeconomics	3
B/E 232 Macroeconomics	3
Ed 246 Education, Culture, and Society	3
Geo 201 World Geography I: Western Hemisphere	3
Geo 202 World Geography II: Eastern Hemisphere	3
Hist 101 Western Civilization I	3
Hist 102 Western Civilization II-- Comparative Revolutions	3
Hist 201 American Civilization I	3
Hist 202 American Civilization II	3
Hist 241/341 The United States Since 1940	3
Hist 253 The Enlightenment and the French Revolution	3
Hist 362 Europe During the Renaissance and Reformation	3
Pol 201 Introduction to American Government	3
Pol 211 Introduction to International Politics	3
Pol 231 Introduction to Law	3
Pol 266/366 Politics of Sex	3
Pol 276 Politics of Behavior	3
Pol 278 Politics of Non-Western Areas	3
Psy 201 Introduction to Psychology	3
Psy 231 Personality in Social Context	3
Psy 233/333 Psychology of Gender	3

MAJOR REQUIREMENTS

GENERAL REQUIREMENTS

St. Andrews offers 14 departmental majors and 4 interdisciplinary majors in Laurinburg.

Five of the 18 majors are also offered at the Sandhills campus:

- Major in Business Administration (B.A.),
- Major in Creative Writing (B.F.A.),
- Major in Education (B.A.),
- Major in Psychology with a Specialized Program of Study in Human Services (B.A.)
- Major in Liberal Arts (B.A.)

Declaration of Major

Students must complete a Declaration of Major Form, available from the Office of the Registrar. Students may declare a major after their first term at St. Andrews. Majors must be declared before completing registration for the junior year. Transfer students accepted with junior or senior status must declare a major upon acceptance at St. Andrews.

Contract Majors

In addition to the majors described in this catalog, each academic department offering majors also offers a contract major, which is a program of study arranged around a theme or outcome. For more information, contact the department chairperson.

Credit Requirements for Majors

An academic major consists of 30-56 credits. Students may count no more than 56 credits with the same course designation (e.g.: English, Religion, Mathematics, etc.) toward fulfillment of the graduation requirement of 120 credits. Upon petition to the division council before registration for the course or courses, students may obtain an exemption of up to 6 credits.

Information in addition to that specified in the major listings is available from the respective department chairpersons.

Additional Requirements for a Second or Third Major or Second or Third Minor

A major, including an interdisciplinary major, must contain a minimum of 30 credits that are not part of any other major. A minor, including an interdisciplinary minor, must contain a minimum of 18 credits that are not part of any other minor. Thus, second or third majors and/or minors within the same academic division must be approved by the respective division council.

Any course that is specifically required for two or more majors declared by a student may count toward the minimum of 30 credits in each major. Any course that is specifically required for two or more minors or for two or more majors declared by a student may count toward the minimum of 18 credits for each minor.

At their discretion, departments and programs may disallow any overlap for majors or minors.

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MINOR REQUIREMENTS

St. Andrews offers optional academic minors in selected disciplines.

The academic minor consists of six to eight courses (18-32 credits), one-half of which must be at the 300- and 400-levels.

All minors must be declared before registration for the final term at St. Andrews.

PRE-PROFESSIONAL PROGRAMS OF STUDY

GENERAL INFORMATION

St. Andrews offers pre-professional courses of study which encompass many careers. In most instances these courses have been compiled in conjunction with specific requirements of professional schools. Many professional schools require specific procedures in regard to entrance tests, application deadlines, and interviews. In many professions no specific undergraduate major must be followed, and students may major in any area of interest. Therefore some students may have a pre-professional advisor in addition to their academic advisor.

PROGRAMS OF STUDY

Students who are interested in accounting may want to consider the dual-degree 3/2 and 4/2 programs in Accounting, listed as the Master's Degree in Accountancy in the Department of Business and Economics section of this catalog.

Students who are interested in medicine, dentistry, veterinary medicine, physical, therapy, or allied health professions are advised to contact the chair of the Division of Mathematical, Natural, and Health Sciences. The Division of Mathematical, Natural, and Health Sciences provides advising services to students interested in pursuing health careers. These services include assistance with planning majors, with preparing for nationally-normed tests (MCAT, DAT, VCAT, etc.), and with preparation of the application for graduate school admission. Clinical internships may also be arranged.

Students who are interested in pre-engineering may want to consider the dual-degree Major in Mathematics with a Specialized Program of Study in Pre-Engineering.

Pre-Law Certification Program, 18 credits

Designed specifically for students interested in a law career, this interdisciplinary program provides courses which improve students' critical thinking and reasoning skills, and which give a general introduction to American politics and government.

Students may apply to the program any time after completing 27 credits at St. Andrews. Applications are available from the pre-law advisors; students are granted entry by the Pre-law Committee.

The pre-law certification program consists of 18 credits chosen from an approved list, in consultation with the student's pre-law advisor. Students must have a cumulative G.P.A. of 3.0 in the 6 courses. No more than 2 of the 6 courses may be taken as both pre-law certificate courses and as major courses.

Pre-Law Courses

B/E 209 Principles of Accounting	3
B/E 231 Microeconomics, or	
B/E 232 Macroeconomics	3
B/E 315 Business Law	3
Hist 102 Western Civilization I—	
Comparative Revolutions	3
Hist 201 American Civilization I, and	
Hist 202 American Civilization II	3
Phil 210 Introduction to Logic	3
Phil 333 Philosophy of Law	3
Phil WT Legal Reasoning	3
Pol 201 Introduction to American	
Government	3
Pol 231 Introduction to Law	3
Pol 362 Constitutional Law	3
X95 Internship in Law	3-4

Interdisciplinary Majors & Minors

Dr. Lawrence E. Schulz, Chair

- ☒ Asian Studies
- ☒ Communications & Performing Arts
- ☒ International Business
- ☒ Liberal Arts

St. Andrews offers four regular interdisciplinary majors, each administered by a separate committee composed of faculty drawn from pertinent academic departments. The interdisciplinary major takes advantage of the distinctive strengths of the faculty and of the curriculum at St. Andrews. By bringing together the teaching expertise of faculty experienced in their fields of specialization, interdisciplinary majors offer students a balanced and diverse set of courses, advisement, and career services. Each of the interdisciplinary majors prepares students for further advanced studies or more immediate employment prospects; both of which may bridge traditional boundaries and demand new ways of learning and applying new knowledge.

ASIAN STUDIES

Coordinators: Margaret Houston and Lawrence Schulz

Major and Minor:

Major in Asian Studies, B.A.

Minor in Asian Studies

MISSION

In keeping with the mission of the College, and the importance it places on international education, the Asian studies program teaches students to understand and appreciate Asian countries, cultures, societies, and languages; how this vast region interacts with the rest of our interrelated world. The Asian studies program seeks to prepare students for a variety of Asia-related careers through specialized programs of study, extracurricular events, internships, and study-travel in Asia.

The Asian studies program is interdisciplinary, offering contract majors and minors which must be approved by the Asian Studies Committee.

GOALS

The program in Asian studies is designed to assist students in:

1. Cultivating a lifelong enthusiasm for studying the peoples and cultures of Asia;
2. Understanding how Asian historical backgrounds, religions, and values systems have influenced and continue to affect Asian peoples and events;
3. Deepening their appreciation for the importance of Asia in world affairs;
4. Acquiring the analytical skills for interpreting source materials;
5. Presenting their ideas and research in a competent and clear written form;
6. Developing a working knowledge of an Asian language;
7. Utilizing encounters with Asia to deepen their understanding of Asian realities, and to heighten understanding of their own culture;.
8. Identifying and preparing for attractive career options which emerge from their work in Asian studies.

Honors in Asian Studies

A major may receive the designation "Honors in Asian studies" upon meeting the following criteria:

1. Achieving a cumulative G.P.A. of 3.00 or better on all coursework, and a 3.30 or better in courses in the major;
2. Completing two AS 499 Guided Independent Study in Asian Studies for 4 credits each: one in the Fall Term of the student's senior year, and the second guided independent study during the Spring Term of the student's senior year.
3. Presenting an honors thesis on a topic acceptable to the Asian Studies Committee.
4. Defending the honors thesis in a comprehensive oral examination before an examining committee comprised of 3 faculty members, including at least one

member of the Asian Studies Committee.

PROGRAMS OF STUDY

Major in Asian Studies, 45-47 credits: B.A.

All contracts in this major must include a disciplinary, thematic, or geographic focus, plus the following:

Required Courses

AS 101 Introduction to Asia	3
AS 102 Introduction to Asia	3
AS 499 Guided Independent Study in Asian Studies—Senior Thesis	3
Participation in an overseas program of study in Asia for one Fall, Winter, or Spring Term	credit varies
Demonstrated competence through at least the intermediate level in one Asian language	12-14

*Approved Asian Studies Electives chosen from:	24
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Anth 209 Introduction to Cultural and
Social Anthropology (3)

Anth 290/390 Peoples of Asia (3)

Anth 309 Contemporary Social
Problems (3)

Art 347 Comparative Art Forms: East
and West (3)

B/E 308 International Trade and
International Financial
Management (3)

B/E 366 Economic Development
and Multinational Corporations (3)

Chinese 151 Chinese Language I (3)

Chinese 152 Chinese Language II (3)

Eng 339 Japanese Fiction and Film (3)

FL 190 Elementary Japanese (3)

Hist 211/311 History of
Modern China (3)

Hist 351 History of the Modern
Middle East (3)

Hist 361 East Meets West: Europe in
the Age of Chivalry (3)

Hist 271/371 The United States and the Vietnam War (3)
Mus 272/372 Musics of Asia (3)
Phil 214 Philosophy of Religion (3)
Phil 227/327 Religions and Philosophies of the East (3)
Phil 302 Jewish, Christian, and Islamic Philosophy (3)
Pol 278 Politics of Non-Western Areas (3)
Pol 290/390 Chinese Politics (3)
Pol 290/390 Northeast Asian Communities (3)
Pol 356 Asian Politics (3)
RS 100 Quest for Religious Meaning (3)
RS 217/317 Religions and Philosophies of the East (3)
Thea 445 World Drama (3)

**Departments frequently offer X90 Special Studies courses which may address topics concerning Asia. Asian studies courses also appear as Winter Term offerings. Students should consult course listings for each term for available Asian studies courses.*

Students may petition the Asian Studies Committee to have other courses accepted as Asian studies courses.

Minor in Asian Studies, 18 credits

Required Courses

AS 101 Introduction to Asia	3
AS 102 Introduction to Asia	3

Approved Asian Studies Electives chosen from the following courses, with at least three courses at the 300-400 levels:	12
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Anth 209 Introduction to Cultural and

Social Anthropology (3)

Anth 290/390 Peoples of Asia (3)

Anth 309 Contemporary Social
Problems (3)

Art 347 Comparative Art Forms: East
and West (3)

B/E 308 International Trade and
International Financial
Management (3)

- B/E 366 Economic Development and Multinational Corporations (3)
- Chinese 151 Chinese Language I (3)
- Chinese 152 Chinese Language II (3)
- Eng 339 Japanese Fiction and Film (3)
- FL 190 Elementary Japanese (3)
- Hist 211/311 History of Modern China (3)
- Hist 351 History of the Modern Middle East (3)
- Hist 361 East Meets West: Europe in the Age of Chivalry (3)
- Hist 271/371 The United States and the Vietnam War (3)
- Mus 272/372 Musics of Asia (3)
- Phil 214 Philosophy of Religion (3)
- Phil 227/327 Religions and Philosophies of the East (3)
- Phil 302 Jewish, Christian, and Islamic Philosophy (3)
- Pol 278 Politics of Non-Western Areas (3)
- Pol 290/390 Chinese Politics (3)
- Pol 290/390 Northeast Asian Communities (3)
- Pol 356 Asian Politics (3)
- RS 100 Quest for Religious Meaning (3)
- RS 217/317 Religions and Philosophies of the East (3)
- Thea 445 World Drama (3)

**Departments frequently offer X90 Special Studies courses which may address topics concerning Asia. Asian studies courses also appear as Winter Term offerings. Students should consult course listings for each term for available Asian studies courses.*

Students may petition the Asian Studies Committee to have other courses accepted as Asian studies courses.

COMMUNICATIONS AND PERFORMING ARTS

Coordinator: Ken Smith

Major and Minors

Major in Communications and

Performing Arts, B.A

Specialized Program of Study in
Media Management

Specialized Program of Study in
Media Production or Performance

Specialized Program of Study in
Music Media Production

Specialized Program of Study in
Visual Media

Minor in Communications and
Performing Arts

Minor in Performing Arts

MISSION

The interdisciplinary program of communications and performing arts seeks to fulfill the mission of the College by providing a broad-based and thorough course of study in the theory and practical applications of mass and interpersonal communications, one that is firmly grounded and oriented in a general liberal arts education. For non-majors, courses are intended to cultivate a basic comprehension of and an intelligent sensitivity to interpersonal and mass communications, as well as to the processes of effective message creation.

Majors are also expected to complete studies leading to effective and intelligent use of the various media, and to obtain a basic mastery of the skills essential to competing in a specified field of communication and performing arts. By graduation, majors must have completed a portfolio showcasing creative written

or production work, research documentation, criticism, strategy planning, and/or performance credits.

The communications and performing arts major is administered by the Communications and Performing Arts Committee, which is composed of faculty drawn from pertinent academic departments that offer courses addressing communications and performing arts skills and topics.

GOALS

1. To develop competitive skills in the creation of effective messages, by writing, public speaking, and the use of visual and mass media.
2. To develop skills necessary for sophisticated analysis of mass media.
3. To acquaint students with the range of career opportunities in communications-related fields.

PROGRAMS OF STUDY

The major in communications and performing arts is a contract major. Students arrange their contracts in consultation with the program coordinator, subject to the approval of the Communications and Performing Arts Committee.

Students contracting for the major must choose one specialized area of study from the four offered. All contracts in communications and performing arts will include 12-14 courses, with at least 6 at the 300-400 levels.

Students may also include courses in creative writing—e.g.: CW 221 Creative Writing (3); CW 413 The Writing of Verse (3); CW 414 Writing Fiction (3)—in their contracts, subject to approval by their advisor and the Communications and Performing Arts Committee.

CORE REQUIREMENTS FOR COMMUNICATIONS AND PERFORMING ARTS MAJORS:

18 CREDITS

Comm 103 Speech Communications	3
Comm 230 Mass Communications	3
Comm 290/390 Special Studies in Communications:	
Technical Design	3
Comm 340 Video Production	3
Comm 341 Philosophical Issues in Mass Communications	3
Comm 422 Senior Seminar	3

Major in Communications and Performing Arts with a Specialized Program of Study in Media Management, 39 credits: B.A.

Required Courses

Communications and Performing Arts	
Major Core Requirements	18
Comm 331 Mass Culture in Modern U.S.	3
B/E 120 Introduction to Business and Economics	3
B/E 231 Microeconomics	3
B/E 312 Principles of Marketing	3
B/E 325 Principles of Management	3
B/E 355 Organizational Behavior	3
Hist 341 The United States Since 1940	3

Major in Communications and Performing Arts with a Specialized Program of Study in Media Production or Performance

32 credits: B.A.

Required Courses:

Communications and Performing Arts Major	
Core Requirements	18
Comm 181 Production Experience	1
Comm 182 Production Experience	1
Comm 183 Publication Production	1
Comm 333 Journalism	3
Comm 381 Advanced Production	
Experience	1
Comm 440 Advanced Video	
Production	1
Approved Electives chosen from:	6
B/E 312 Principles of Marketing (3)	
B/E 333 Advertising and Promotional	
Strategies (3)	
Comm 339 Public Relations (3)	
Comm 345 Oral Interpretation (3)	
Thea 373 Advanced Improvisation (3)	
Thea 404 Directing (3)	

Major in Communications and Performing Arts with a Specialized Program of Study in Music Media Production,

33-37 credits: B.A.

Required Courses

Communications and Performing Arts	
Major Core Requirements	18
Comm 181 Production Experience	1
Comm 440 Advanced Video	
Production	3
Mus 210 Music Theory I	3
Mus 211 Music Theory II	3

Interdisciplinary Majors & Minors

Approved Music Elective chosen from Mus 216, 347, or 349	1-3
Approved Electives chosen from:	4-6
Comm 333 Journalism (3)	
Mus 245 Music in Popular American	
Culture (3)	
Mus 310 Music Theory III (3)	
Mus 311 Music Theory IV (3)	
Mus 316 Contemporary	
Keyboard II (1)	
Mus 345 Music in Popular	
American Culture (3)	
Mus 347 Musical Improvisation (3)	
Mus 349 Contemporary	
Songwriting (3)	

Major in Communications and Performing Arts with a Specialized Program of Study in Visual Media, 35-39 credits: B.A.

Required Courses

Communications and Performing Arts Major	
Core Requirements	18
Comm 440 Advanced Video	
Production	3
Art 122 Drawing I	3
Art 145 Design I	3
Art 271 Computer Graphics I	3
Art 371 Computer Graphics II	3
Approved Electives chosen from:	2-6
Art 207 Printmaking I (3)	
Art 211 Painting I (3)	
Art 224 Sculpture I (3)	
Art 245 Design II (3)	
Art 261 Art History Survey I (3)	
Art 262 Art History Survey II (3)	
Art 307 Printmaking II (3)	
Art 311 Painting II (3)	
Art 324 Sculpture II (3)	
Comm 181 Production Experience (1)	
Comm 182 Production Experience (1)	
Phil 213 Aesthetics (3)	
Thea 404 Directing (3)	

Minor in Communications and Performing Arts, 18 credits

Required Courses

Comm 103 Speech Communications	3
Comm 230 Mass Communications	3
Approved Communications Elective chosen from Comm 331, 333, or 340	3
Approved Communications Electives at the 300-400 levels	6
Approved Communications Elective	3

Minor in Performing Arts, 21 credits

Required Courses

Comm 245 Oral Interpretation	3
Comm 345 Oral Interpretation	3
Thea 142 Improvisation	3
Thea 203 Acting	3
Approved Electives at the 300-400 levels	9

INTERNATIONAL BUSINESS

Coordinator: Robert Hopkins

Major:

Major in International Business, B.A.

MISSION

The international business major, in keeping with the mission of the College, is designed to provide students with a global perspective in preparation for a career in an international field. The international business faculty recognizes that in this fast-paced world, exposure to other cultures is essential for success in international business. Therefore, students are expected to engage in the study of foreign language, explore international issues in related courses, and participate in an international experience. The College's strong emphases in international studies assure that students interested in an exposure to the global scene will find a supportive environment at St. Andrews.

Since career opportunities continue to expand in this area, students are encouraged to increase the value of this field of study by utilizing the available elective hours to create a significant supporting area of interest. This might include a minor or an emphasis in foreign languages, politics, history, or Asian studies. Students' advisors assist in designing an appropriate program of study.

GOALS

1. To gain knowledge of global business activity within a multidisciplinary perspective.
2. To enhance students' global understanding and experience.
3. To prepare students to become more informed participants in the discussion and debate about global issues in business and community life.

4. To prepare the students for career and/or graduate study in global business and related international fields.

PROGRAM OF STUDY

This major is administered by the International Business Committee, comprised of faculty drawn from academic departments which house programs with an international business component. The major in international business is a contract major.

Major in International Business, 45-56 credits: B.A.

Required Courses

B/E 209 Principles of Accounting I	3
B/E 210 Principles of Accounting II	3
B/E 231 Microeconomics	3
B/E 232 Macroeconomics	3
B/E 304 Principles of Finance	3
B/E 312 Principles of Marketing	3
B/E 325 Principles of Management	3
B/E 442 Senior Policy and Strategy Seminar	3
CIS 101 Introduction to Computer Information Systems	3
Math 205 Statistics I, or B/E 364 Quantitative Methods for Business and Economics	3
Approved Electives chosen from B/E 308, 364, 366, 390, 395, 398, 399, 419, 472, 490, 495, 498, or 499	9

Approved Electives chosen from: 6

Anth 209 Introduction to Cultural and
Social Anthropology (3)

AS 101 Introduction to Asia (3), or
AS 102 Introduction to Asia (3)

Geo 201 World Geography I: Western
Hemisphere (3), or

Geo 202 World Geography II:
Eastern Hemisphere (3)

Hist 251 The Modern Middle East (3)

Hist 351 The Modern Middle East (3)

Mus 273 Musics of Africa and Latin
America (3)

Mus 373 Musics of Africa and Latin
America (3)

Pol 211 Introduction to International
Politics (3)

Pol 278 Politics of Non-Western
Areas (3)

RS 217 Religions and Philosophies of
the East (3)

RS 317 Religions and Philosophies of
the East (3)

¹Approved Foreign Language and
Culture Study Electives 6

²Approved International
Experience chosen
from: credit varies

One academic year abroad at a university
such as Stirling University in Scotland,
Kansai Gaidai in Japan, or Han Nam
University in Korea

One Fall or Spring Term abroad, either at a
university or in a study-abroad program
such as Beijing, Cuenca, or Brunnenburg

³B/E 499 Guided Independent Study in International Business (3), AND One Winter Term abroad experience; OR an overseas internship in any term; OR an internship in the United States with an agency or business that allows students to gain experience in the international aspect of the agency or business, such as the internship program at the Washington Center (see "Internships" in the Academic Programs section of this catalog.)

¹Students are expected to complete St. Andrews Language and Culture breadth requirement in addition to this major requirement. Students may substitute appropriate courses in a foreign language during a study-abroad program, subject to approval by the International Business Committee. If students are native speakers of languages other than English, and if they through this fulfill St. Andrews Language and Culture breadth requirement, then no additional courses in foreign language are required.

²Students do not have to engage in the study of international business during this experience. If students cannot (for acceptable reasons) pursue one of these options, they may petition the International Business Committee to accept an alternative option

³The research project may be combined with these international experiences upon the approval of the International Business Committee

LIBERAL ARTS

St. Andrews in Laurinburg Coordinator:

James F. Stephens

St. Andrews at Sandhills Coordinator:

David Fish

Major:

Major in Liberal Arts, B.A.

MISSION

The purpose of the liberal arts major is to permit students to profit from the study of the full breadth of a liberal arts curriculum, as an end in itself as well as to complement and provide a context for the study of a particular discipline. The major draws on courses in the fine arts, humanities, and the social and behavioral sciences. It allows students to explore and appreciate the ways in which diverse disciplines, schools of thought, modes of inquiry, and cultures fit into the rich fabric of human nature and self-expression. Intellectual, cultural, social, political, artistic, literary, and religious interactions and influences within a given era and from age to age are studied. Depth of knowledge and understanding is gained through progressively advanced study in several disciplines, rather than in a single discipline.

PROGRAM OF STUDY

The major in liberal arts is a contract major, constructed by students in consultation with their advisors, and subject to the approval of their respective coordinators. Due to the limited course offerings available at St. Andrews at Sandhills, the unifying theme of the Major in Liberal Arts on that campus will be a focus on the interrelationships of two disciplinary areas of emphasis.

REQUIREMENTS FOR ALL LIBERAL ARTS MAJORS

The program of study must consist of a minimum of 45 and a maximum of 56 credits. A minimum of 21 of the total credits for the major must be earned at St. Andrews College.

Approved Electives at the

100-200 levels 21

Approved Electives at the

300-400 levels 24

Major in Liberal Arts, 45-56 credits: B.A.

REQUIREMENTS FOR ST. ANDREWS STUDENTS

In consultation with the St. Andrews in Laurinburg Coordinator, students select a theme and at least two academic advisors from two different disciplines. One of the academic advisors will serve as the "advisor of record." The contract may include X99 Guided Independent Studies courses, Winter Term courses, and X95 Internships. Internships are strongly suggested.

The major in liberal arts at St. Andrews may not be combined with any other major or minor.

Required Courses

Approved Electives from One

Academic Discipline 12

Approved Electives from a Second

Academic Discipline 12

*Approved Electives from a Third

Academic Discipline 6

Approved Electives 15-26

*These credits must be supportive of the theme of the major.

REQUIREMENTS FOR ST. ANDREWS AT SANDHILLS STUDENTS

Approved Electives from two

of the following areas: 24

Fine Arts—Courses in Art,

Communications, Creative Writing,

Music, or Theatre

Humanities—Courses in

Communications, Creative Writing,

English, Literature, Philosophy, or

Religion

Social and Behavioral Sciences—

Courses in Anthropology,

Business and Economics,

Education, Geography,

History, Politics, or

Psychology

Approved Electives from any

of the above areas 21-32

Division of Humanities & Fine Arts

Dr. Mary Louise Bringle, Chair

- ☒ Department of Art
- ☒ Department of Communications
and Performing Arts
- ☒ Department of English and Creative Writing
- ☒ Department of Foreign Languages
- ☒ Department of Music
- ☒ Department of Philosophy
- ☒ Department of Religious Studies

DEPARTMENT OF ART

Chairperson: Robert Carter

Major and Minor:

Major in the Visual Arts, B.A.

Minor in the Visual Arts

MISSION

The mission of the Department of Art is to develop in all of our students an informed appreciation of our rich visual heritage, to develop pre-professional levels of skill and performance in our majors, and to offer a flexible program including opportunities for interdisciplinary study, international programs, and internships. The Department is in support of the College's commitment to effective verbal literacy and offers a calendar of gallery exhibits to promote visual literacy in the College and the community.

GOALS

At the time of their graduation, our students will have:

1. Developed a degree of skill and professionalism adequate for successful performance in graduate or professional school and/or in an art or art-related career.
2. Been given the opportunity for international travel, for internships, and for further study or placement in a career.

Graduating seniors will present a senior exhibition of work, submit a slide portfolio and résumé, and submit to a final exit interview regarding their content.

Non-majors are encouraged to take any of the course offerings in art. Students who have an interest in a particular art medium or area of art history not appropriate in a regular course may apply for guided independent study or advanced studies in art. Students interested in medical illustration, art restoration, art criticism, or museum curatorship may contract for

Division of Humanities & Fine Arts

a liberal arts major.

PROGRAMS OF STUDY

The major in the visual arts is a contract major in which students, in consultation with their art advisor, choose a course of study.

CORE REQUIREMENTS FOR ART

MAJORS: 24 CREDITS

For students interested in art as a vocation, in teaching art, or in pursuing further study in graduate school, the following courses are required:

Required Courses

Art 122 Drawing I 3

Art 145 Design I 3

Approved Applied Art Electives

chosen from Art 207, 211, or 224 6

Art 261 Art History Survey I 3

Art 262 Art History Survey II 3

Art 360 Seminar in Modern Art 3

Art 453 Senior Portfolio 3

Major in the Visual Arts, 36-56 credits: B.A.

Required Courses

Art Major Core Requirements 24

Approved Art Electives, with at least

4 courses at the 300-400 levels 12-32

A sample contract for this major could contain Art 122, 145, 207, 211, 261, 262, 271, 360, 371, 380, 480, 495, and 499.

Minor in the Visual Arts, 18 credits

A minor in the visual arts must consist of at least 6 courses, with at least 3 courses in art at the 300-400 levels.

Required Courses

Art 122 Drawing I 3

Art 145 Design I 3

One Art History Elective chosen

from Art 261, 262, 347, or 360 3

Approved Art Electives at the

300-400 levels 9

DEPARTMENT OF COMMUNICATIONS & PERFORMING ARTS

Chairperson: Ken Smith

MISSION

The mission of the Department of Communications and Performing Arts at St. Andrews College is to provide as broad and complete a course of study in communications and performing arts as possible. For general students, courses are designed to cultivate a basic understanding in interpersonal communications, mass communications, and creation of messages.

Students interested in communications, music, or theatre may want to consider the Interdisciplinary Major in Communications and Performing Arts, the Minor in Communications and Performing Arts, and/or the Minor in Theatre, all of which are listed in the "Interdisciplinary Degrees" section of this catalog.

DEPARTMENT OF ENGLISH & CREATIVE WRITING

Chairperson, Department of English:

Edna Ann Osmanski Loftus

Director, Creative Writing: Ronald H.

Bayes

Majors and Minors:

Major in English, B.A.

Major in Creative Writing, B.F.A.

Minor in English

Specialized Program of Study in
Literature

Specialized Program of Study in
Writing

Minor in Creative Writing

DEPARTMENT OF ENGLISH MISSION

The mission of the Department of English at St. Andrews College is to provide as broad and complete a course of study in English and American literature as possible. Upon completion of the curriculum, students majoring in English are expected to be prepared for a wide spectrum of professional opportunities, both in careers and in graduate and professional schools. For general students, courses are designed to cultivate an understanding of literature as an expression of human values and experience and to develop skills of expository writing, critical thinking and reading.

GOALS

At the time of graduation, English majors are expected to:

1. Be acquainted with the diversity and scope of the Western literary heritage which shapes, reflects, and records human experience and values;
2. Be able to write essays on literary topics which demonstrate mastery of clear expository prose, skill in library research, and the ability to analyze a literary text in critical and historical contexts;
3. Have developed a personal reading list of literary and critical works which they intend to read for individual enrichment and/or advanced study.

Honors in English

A major may receive "honors in English" upon meeting the following criteria:

1. Achieving a cumulative grade point average of 3.0 or better in all courses and a 3.3 or better in courses in English; and
2. Completing Eng 491 Competency Honors (3) AND Eng 497 Academic Honors (3) with members of the English program with grades of 3.3 or better in Eng 497; and
3. Completing and successfully defending a thesis or project in a comprehensive oral examination before an examining committee composed of at least one member of the English program, one St. Andrews faculty member outside the program, and one additional outside examiner.

CREATIVE WRITING PROGRAM MISSION

The mission of the program leading to a B.F.A. in Creative Writing is to prepare students to enjoy the art and craft of writing as a fulfilling, lifelong vocation or avocation.

GOALS OF THE CREATIVE WRITING PROGRAM

Students who graduate with a B.F.A. in Creative Writing degree will be able to:

1. Enter a business career dependent on excellent communications skills (examples: insurance, banking, publicly interactive work, publishing);
2. Enter a graduate school in creative writing or English with a view to teaching at the college level; or
3. Seize opportunities in publishing, even if pursuing a livelihood in a non-publishing venue.

ENGLISH AS A SECOND LANGUAGE PROGRAM MISSION

The primary purpose of the English as a Second Language (ESL) Program is to assist international students attending St. Andrews College whose primary language is not English in further developing their language skills. The program also seeks to provide these students with social support so that they may achieve the same purposes that the College has for all its students. Finally, the program will enable native English-speaking students to study ESL learning theory and instruction at the pre-professional level and will provide opportunities for these students to tutor ESL students.

GOALS OF THE ESL PROGRAM

1. ESL students will make satisfactory progress in improving speaking, listening comprehension, reading and writing skills in order to function successfully in the American college classroom;
2. ESL students will be accepted as members of a diverse and multicultural St. Andrews community, and their contribu-

tions in and beyond the classroom will be recognized; and

3. Native English speakers taking ESL courses and serving as tutors will gain entrance into graduate programs of Teaching English as a Second Language or become employed as teachers of English overseas.

PROGRAMS OF STUDY

English

The major in English is a contract major, with courses of study within the English major designed to meet the needs of the individual student. A major in English must consist of at least 10 courses, with at least 3 in English at the 100-200 levels and at least 4 in English at the 300-400 levels.

Students are invited to contract English majors of the following kinds, or to propose alternatives that more adequately meet their needs: English and American literature; English with an emphasis in journalism and other media; English and creative writing; English for careers in the church; English for pre-law; English for business careers; and English for civil service careers.

Contracts will be developed that are mutually agreeable to the English faculty and the students and that include serious studies in English while drawing upon other resources of the College that point toward particular vocations.

Major in English, 30 credits: B.A.

Required Courses

Eng 453 Senior Portfolio and Review	1
Approved English Electives at the 100-200 levels	9
Approved English Electives at the 300-400 levels	12
Approved English Electives to total 30 hours	8

A sample contract for this major could include Eng 209, 210, 211, 301, 302, 309, 311, 317, 333, 376, and 453.

Minor in English with a Specialized Program of Study in Literature, 18 credits

Required Courses:

Approved English Electives at the 100-200 levels	9
Approved English Electives at the 300-400 levels	9

Note: only one writing course (e.g., Eng 333 Journalism) may be counted in the six courses for this minor.

Minor in English with a Specialized Program of Study in Writing, 18 credits

Required Courses

CW 221 Creative Writing	3
Eng 301 Shakespeare	3
Eng 333 Journalism	3
Approved Creative Writing Electives at the 300-400 levels	6

Approved English Electives chosen from Eng 209, 210, 211, 251, or 252	6
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Creative Writing

Major in Creative Writing, 37-46 credits: B.F.A.

The major in Creative Writing is a contract major which must consist of at least 12 courses.

Required Courses

CW 221 Creative Writing	3
Eng 252 Modern Poetry	3
Approved English Electives chosen from Eng 209, 210, or 211	6
Approved English Electives chosen from Eng 309, 315, 339, 342, or 390	6

Approved English Elective chosen from Eng 349, 370, 376, or 390	3
Approved Creative Writing Electives chosen from CW 413, 414, or 420	6
CW 223 Contemporary Forum I, II, III, or IV	2-8
CW 479 Thesis and Presentation	4
Approved Creative Writing Elective chosen from:	
X95 Internship in Creative Writing	
X98 Research/Teaching Practicum in Creative Writing	
OR	
X99 Guided Independent Study in Creative Writing	1-4
Approved English, American, Continental, or Theatrical Literature Elective at the 300-400 levels:	3
A sample contract for this major could contain CW 221, 395, 413, 414, and 479; Eng 209, 252, 211, 315, 342, and 376; and Thea 445.	

Minor in Creative Writing, 18 credits

Required Courses

CW 221 Creative Writing	3
CW 413 The Writing of Verse	3
CW 414 Writing Fiction	3
Approved Creative Writing Electives at the 100-200 levels	6
Approved Creative Writing Elective at the 300-400 levels	3

English As A Second Language Program

CORE REQUIREMENTS FOR ESL STUDENTS: 12 CREDITS

Required Courses:

ESL 200 Writing and Structure I	3
ESL 201 Speaking and Listening I	3
ESL 250 Writing and Structure II	3
ESL 251 Speaking and Listening II	3

Selected Modules:

Self-contained modules, each of approximately 15 hours, will be assigned by the instructor or undertaken by the students, depending on their needs. Modules are taken concurrently with core courses, and carry no academic credit.

- A. Fundamental Reading Skills
- B. Pronunciation
- C. Fundamental Vocabulary
- D. Advanced Vocabulary
- E. Oral Communication
- F. Spelling
- G. Advanced Reading
- H. Idioms and Culture
- I. English for Specific Purposes
- J. Study Skills
- K. Editing and Advanced Syntax

DEPARTMENT OF FOREIGN LANGUAGES

Chairperson: C. Lee Dubs

Minors:

Minor in French or Spanish

Minor in Modern Languages

MISSION

The Department of Foreign Languages provides for St. Andrews students a broad selection of courses in the languages, literatures, and cultures of selected countries or regions of the world. The mission of the Department is to develop in all students basic oral/aural skills in a language that is not native to them, as well as an understanding and appreciation of a culture that is different from their own.

GOALS

1. Students will have acquired usable skills in speaking, listening comprehension, reading, and writing in the target language;
2. Students will have acquired a basic knowledge of the cultural context of the target language;
3. Students will have read and studied representative selections of the literature of the target language, and have acquired a knowledge of its major characteristics.

Availability of Languages

When instructors are available, courses in Chinese are offered at St. Andrews as well as in Beijing as part of St. Andrews Chinese Language and Culture program. All students in this program are given a placement test upon arrival in Beijing to help determine appropriate level of study. Courses in German language, literature, and culture, and independent study

in New Testament Greek may also be offered when instructors are available.

PROGRAMS OF STUDY

Minor in French or Spanish, 18 credits

The minor in French or Spanish is a contract minor which must consist of at least 6 courses at the 200-300-400 levels in one language, with at least 3 of those courses at the 300-400 levels. No other minors in a single language are available.

Required Courses

Approved Conversation Elective

chosen from French or Spanish 155, French or Spanish 251, French or Spanish 254, or French or Spanish 353 3

Approved Composition Elective

chosen from French or Spanish 252, or French or Spanish 451 3

Approved Culture and Civilization

Elective chosen from French or Spanish 155, French or Spanish 331, or Spanish 332 3

Approved Foreign Literature Elective: 3

Approved Foreign Language Electives 6

A sample contract for this minor could contain Spanish 251, 252, 253, 331, 352, and 353.

Minor in Modern Languages, 24 credits

The minor in modern languages is a contract minor.

Required Courses

Approved Modern Language Electives

in ONE language, at the 300-400 levels 12

Approved Modern Language Electives

in a second language 12

A sample contract for this minor could contain French 331, 352, 353, 451; and Spanish 151, 152, 251, and 253.

DEPARTMENT OF MUSIC

Chairperson: David Fish

Minor:

Minor in Music

MISSION

The Department of Music at St. Andrews College provides an innovative course of musical study within a liberal arts setting; a course which leads to a major in communications and performing arts.

While the scope of the curriculum is broad, emphasis is placed upon applicable understanding of contemporary styles/forms and the fostering of creativity as fundamental to pursuing professional careers in music. In support of this mission, the Department offers a music theory curriculum that is musically inclusive, offers hands-on opportunities in mastering state-of-the-art music technology, and stresses the acquisition of applicable skills.

All courses in the music curriculum, including those in the music theory sequence, foster the development of individual creativity and the finding of one's "musical self." The Department's survey courses provide students with an all-important cultural/historical grounding in major styles/forms. The liberal arts aspect of the curriculum is viewed by the Department as offering students a distinct advantage over conservatory training since the extra-musical knowledge provided by humane learning deepens one's overall musicality.

Furthermore, a liberal arts setting provides students with opportunities for interdisciplinary study with the potential for thematic and double majors.

Finally, in support of the College's international programs, the Department also offers world music courses designed to broaden the cultural perspective of all St. Andrews students.

Students interested in communications, music, or theatre may want to consider the Interdisciplinary Major in Communications and Performing Arts, the Minor in Communications and Performing Arts, and/or the Minor in Performing Arts, all of which are listed in the "Interdisciplinary Degrees" section of this catalog.

Applied music lessons are available: see the Music course descriptions in this catalog.

PROGRAM OF STUDY

Minor in Music, 20-24 credits

Students minoring in Music must take at least 6 courses, with at least 3 of those at the 300/400 levels.

Required Courses

Mus 210 Music Theory I	3
Mus 211 Music Theory II	3
Two Music Survey courses chosen	
from Mus 336, 345, or 348	6
Four terms of Ensemble participation	4
Four terms of Applied Music	4-8

DEPARTMENT OF PHILOSOPHY

Chairperson: Richard C. Prust

Major and Minor:

Major in Philosophy, B.A.

Minor in Philosophy

MISSION

The mission of the Department of Philosophy at St. Andrews College is to provide a broad course of study tailored to the needs and interests of non-majors and majors alike. For students taking philosophy courses for breadth, exploration, or fun, the intent is to help them sample philosophy as a liberal discipline and as the beginning of life-long critical thinking. For students taking philosophy as a component in a liberal arts major or program (pre-law, communication, Asian studies, etc.), the Department seeks to cultivate abilities to think through a theme or pre-professional stance philosophically and critically. For majors, the Department fosters a broad familiarity with the history of philosophy and with perennial philosophical problems. By developing skills of logical and analytical reasoning, philosophy majors will sharpen their ability to take and defend reasoned stances on issues, preparatory to attending graduate school in philosophy or pursuing a career in a field that demands such skills.

GOALS

At the time of graduation, majors in philosophy will have:

1. Acquired a strong background in the standard areas of philosophy;
2. Developed critical thinking and communication skills which will be of value in a wide variety of occupations;

3. Acquired, through participation in the Junior/Senior seminar, a familiarity with key contemporary issues as well as a beginning ability to "do philosophy" of their own.

Honors in Philosophy

Majors may receive the designation of "honors in philosophy" upon meeting the following criteria:

1. Achieving a cumulative grade point average of 3.0 or better in all coursework and of 3.3 or better in courses in the major;
2. Completing two 3-credit guided independent studies (X99 Guided Independent Study in Philosophy) with members of the program faculty;
3. Under normal circumstances, taking Phil 442 Junior/Senior Seminar (1) in both the junior and senior years;
4. Presenting an honors thesis or project in a comprehensive oral examination before an examining committee comprised of at least one faculty member in the philosophy program, one faculty member outside the philosophy program, and one additional outside examiner.

PROGRAMS OF STUDY

In addition to the major in Philosophy, the Philosophy program offers students options of designing and contracting a contract major which carries an additional emphasis in some areas of study the student wishes to relate to philosophy (e.g.: religion, politics, literature, physics, history, etc.), or with a particular pre-professional emphasis (e.g.: pre-law, pre-seminary, etc.). The terms of these contracts are negotiated by the applicant and the program faculty.

Major in Philosophy, 37 credits: B.A.

Required Courses

Phil 210 Introduction to Logic	3
Phil 303 Modern Philosophy and Scientific Revolution, or approved substitute	3
Phil 434 Contemporary Anglo- American Philosophy, or approved substitute	3
Phil 442 Junior/Senior Seminar	1
Approved Philosophy Electives, with at least 19 credits at the 300-400 levels	27

Contract Major In Philosophy, 37 credits: B.A.

Of the elective courses, at least 25 credits must be in philosophy, with the remaining 8 from a supporting discipline chosen to meet students' individualized program of study.

Required Courses

Phil 210 Introduction to Logic	3
Phil 442 Junior/Senior Seminar	1
Approved Electives at 100-200 levels	15
Approved Electives at 300-400 levels	18

A sample contract with a specialized program of study in psychology for this major could contain Phil 100, 210, 216, 301, 303, 317, 404, 434, and 442; and Psy 201, 310, 231, and 333.

Minor In Philosophy, 18 credits

Required Courses

Approved Philosophy Electives, at least 9 credits at the 300-400 levels	18
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DEPARTMENT OF RELIGIOUS STUDIES

Chairperson: Carl F. Walters

Major and Minor:

Major in Religious Studies, B.A

Minor in Religious Studies

MISSION

By exposing students to the breadth of disciplines and methodologies that constitute the field of religious studies (e.g. biblical studies, historical studies, phenomenological analysis, ethical and theological inquiry), the Department seeks to develop a broad understanding of the historical and contemporary impact of religion as a phenomenon of human cultures. Some students who major in religious studies will focus their work in the Christian tradition and attend a seminary or school of religious education after graduation in preparation for a career in ministry. Others will use their study of religion as a vehicle for acquiring a deepened understanding of the questions of meaning and value raised in human experience (in literature, psychology, philosophy, the arts, etc.) and will pursue vocations or avocations in a variety of other humane endeavors (counseling, social service, teaching, writing, etc.)

GOALS

The Department has two principle goals for its majors which will be measured by means of the senior portfolio:

1. Students will acquire awareness and critical understanding of the formative religious traditions of human beings and a variety of cultures; and
2. Students will become appreciatively critical of their own religious traditions and will engage in a process of formulating their own mature questions and beliefs.

Honors in Religious Studies

Majors may receive the designation of "honors in religious studies" upon meeting the following criteria:

1. Achieving a cumulative G.P.A. of 3.0 or better on all coursework and of 3.3 or better in courses in the major;
2. Completing two terms of RS 497 Guided Independent Study in Religious Studies for 4 credits each, during the Fall Term of the senior year and during the Spring Term of the senior year, in conjunction with a weekly seminar of other candidates for honors in religious studies;
3. Presenting an honors thesis or project on a topic acceptable to the Department faculty; and
4. Defending the honors thesis or project in a comprehensive oral examination before an examining committee comprised of at least one faculty member in the Department of Religious Studies, one faculty member outside the Department, and one additional outside examiner.

The Jewish Chautauqua Society Resident Lectureship in Judaic Studies

Introductory courses on Jewish history, beliefs and practices and other courses on various aspects of Jewish life and thought are offered on a regular basis by a visiting Rabbi. This lectureship is funded by the Jewish Chautauqua Society founded in 1893 by Rabbi Henry Berkowitz.

Extracurricular Programs

Seminars off-campus and abroad may also carry academic credit—in such places as New York City, New Orleans, Geneva, Switzerland, Japan, and St. Andrews in Scotland.

PROGRAMS OF STUDY

Major in Religious Studies, 31 credits: B.A.

The major in religious studies must contain at least 6 courses at the 300-400 levels.

Required Courses

RS 100 Quest for Religious Meaning 3

RS 453 Senior Portfolio 1

Approved Biblical Studies Elective

chosen from RS 209, 304, 305,
or WT Introduction to the
Hebrew Bible 3

Approved Christian Thought Elective

chosen from RS 202, 331, 401 3

Approved Non-Christian Tradition

Elective chosen from RS 217/317

or any course in Judaic Studies 3

Approved Religion and Culture Elective

chosen from 210/310, 213, 215/315,
332, or 410 3

Approved Religious Studies

Electives 15

Contract Major in Religious Studies, 31 credits: B.A.

In addition to the regular major in religious studies, the Department offers students options for designing and contracting a major which has an emphasis in an area of study they wish to relate to religion (e.g. philosophy, psychology, politics, history, literature, art, etc.) The requirements for this contract major are negotiated with the Department chairperson.

Required Courses

RS 453 Senior Portfolio 1

Approved Religious Studies

 Electives, with 9 credits at

 300-400 levels 18

Approved Electives, with 9 credits

 at 300-400 levels 12

A sample contract with a specialized program of study in English for this major may contain RS 100, 202, 209, 315, 410, and 490; and Lit 210 and 211; and Eng 301, 314 or 315, and 333.

Minor in Religious Studies, 18 credits

Required Courses

Approved Religious Studies Electives	9
at the 300-400 levels	9

Approved Religious Studies Electives	9
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Division of Mathematical, Natural, & Health Sciences

Dr. James I. Lankford, Chair

- ☒ Department of Biology
- ☒ Department of Chemistry
- ☒ Department of Mathematical Sciences
- ☒ Department of Physical Education &
Sports Medicine

Minor in Environmental Science, 28 credits

Advisement for this minor is handled by the Chairperson of the Division of Mathematical, Natural, and Health Sciences.

Required Courses

CS 110 Introduction to Computer Science	3
Math 205 Statistics I	3
Env Sci 325 Physical Geography	3
Approved Option	16

Chemistry Option

Chem 201 Structure and Reactivity (3)
Chem 201L Structure and Reactivity Laboratory (1)
Chem 206 Equilibria (General Chemistry I) (3)
Chem 206L Equilibria Laboratory (1)
Chem 311 Introductory Organic Chemistry (3)
Chem 311L Introductory Organic Chemistry Laboratory (1)
Chem 312 Introductory Organic Chemistry II (3)
Chem 312L Introductory Organic Chemistry II Laboratory (1)

Biology Option

Bio 211 Concepts in Biology I (4)
Bio 212 Concepts in Biology II (4)
Bio 307 Ecology (4)
Bio 327 Genetics (4)

Approved Elective chosen from Env Sci 395 or 495 Internship in Environmental Science; OR Env Sci 399 or 499 Guided Independent Study/Research in Environmental Science	3
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DEPARTMENT OF BIOLOGY

Chairperson: Frank D. Watson

Major and Minor:

Major in Biology, B.S. or B.A.

Minor in Biology

MISSION

Our mission is to graduate majors who possess a breadth of knowledge in all fields of biology. To meet this goal, we teach our majors a core curriculum in biology that covers the diversity of life from microbes to plants and animals. In these central courses, our majors also learn about the levels of biological organization from cells to organisms and populations. Upon graduation, we expect our majors to be prepared to start a career, enter a professional program, or pursue a postgraduate degree.

GOALS

At the time of graduation, our biology majors are expected to:

1. Demonstrate proficient knowledge across biological diversity and throughout the levels of biological organization.
2. Have the ability to research, write, and orally present a paper on a selected topic in biology.
3. Have applied scientific methodology in increasingly complex ways:
 - a. by mastering the use of lab equipment;
 - b. by generating and analyzing data; and
 - c. by designing and implementing experiments.
4. Have been encouraged to apply their knowledge of biology in an experiential context, through volunteer work, occupational experience, internships, and/or original research.

5. Have developed sufficient knowledge to enter professional programs, graduate school, or to find employment in the field of biology or the related fields of environmental science and allied health.

Honors in Biology

A biology major may receive a B.A. or B.S. degree in biology with the designation “honors in biology” upon application, approval by the biology faculty, certification by the Dean of the College, and after successful completion of the following:

1. Maintaining a 3.3 G.P.A. in biology courses and a 3.0 cumulative G.P.A.
2. Taking a minimum of 8 credits and not more than 12 credits of independent study (involving empirical research) in Bio 497 Honors Research or Bio 499 Guided Independent Study in Biology, during at least two regular terms, with grades of 3.3 or better in each course.
3. Presenting an honors research thesis containing a clear understanding of the technical and theoretical literature relating to the independent research project, a report of the results of the independent research project, and a discussion of the relevant conclusions in the context of previously-published research relating to the topic.
4. Presiding over a seminar on the honors research of at least 30 minutes’ duration to all interested members of the College community.
5. Defending the honors thesis in a comprehensive oral examination before all members of the Department of Biology.

Application for the “honors in biology” designation must be completed and approved by the regular date for advanced registration for the first regular term of the student’s senior year.

Independent Study

In addition to regular courses, the biology

faculty offers numerous opportunities for individualized, independent activities for biology majors. These include special studies in biology, guided independent study, and honors research.

PROGRAMS OF STUDY

The major in biology is a contract major with the flexibility of a contract leading to either the B.S. or the B.A. Students whose interest ranges the spectrum of career goals—medical doctor, secondary school teacher, molecular biologist, wildlife biologist, botanist, veterinarian, physical therapist, plant pathologist—select an appropriate course of study, in consultation with an advisor chosen from the full-time biology faculty, that leads either to their career or to the next level of preparation on the way to their career.

CORE REQUIREMENTS FOR BIOLOGY MAJORS: 20 CREDITS

Bio 211 Concepts in Biology I	4
Bio 212 Concepts in Biology II	4
Bio 327 Genetics	4
Approved Elective chosen from	

Bio 307, 353, or 344	4
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*Approved Elective chosen from	
Bio 307, 335, 343, 344, 345, 353, or 355	4

*Chosen in accordance with Departmental breadth policy..

Major in Biology, 53-56 credits: B.S.

The B.S. degree in biology allows students, with the properly-selected course sequence, to meet admission requirements for medical school, veterinary school, and graduate school in the biological sciences.

Required Courses

Biology Major Core Requirements	20
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*Approved Electives chosen from

Bio 307, 335, 343, 344, 345, 346, 347, 353, 355, 365, 441, or 443	12
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Chemistry Support Courses:	
Chem 201 Structure & Reactivity (General Chemistry I)	3
Chem 201L Structure & Reactivity Laboratory	1
Chem 206 Equilibria (General Chemistry II)	3
Chem 206L Equilibria Laboratory	1
Chem 311 Introductory Organic Chemistry I	3
Chem 311L Introductory Organic Chemistry I Laboratory	1
Chem 312 Introductory Organic Chemistry II (3) and Chem 312L Introductory Organic Chemistry II Lab (1); OR Chem 315 Analytical Chemistry	4
Approved Option:	9-12
Option I:	
Math 221 Calculus I (4)	
Phys 201 College Physics I (4)	
Phys 202 College Physics I (4);	
OR	
Math 221 Calculus I (4)	
Phys 211 College Physics II (4)	
Phys 212 College Physics (4)	
Option II:	
Math 205 Statistics I (3)	
CS 110 Introduction to Computer Science (3),	
CIS 101 Introduction to Computer Information Systems (3)	
OR	
Math 205 Statistics I (3)	
CS 110 Introduction to Computer Science (3)	
CS 223 Computer Science II (3)	

**Chosen in accordance with Departmental breadth policy..*

Major in Biology, 42-43 credits: B.A.

The B.A. degree in biology allows students to prepare for those careers, professional schools, and graduate schools that do not require as many supporting science courses as those leading to the B.S. Examples of such careers include biology teaching, physical therapy, wildlife management, and environmental management. Since this degree requires fewer total credits, it is also an excellent opportunity for students who are interested in interdisciplinary careers—biological writing, textbook editing, environmental law, museum curating, biological supply sales—to pursue a second major or minor.

Required Courses

Biology Major Core Requirements	20
*Approved Electives chosen from Bio 307, 335, 343, 344, 345, 346, 347, 353, 355, 365, 441, or 443	8

Support Courses:

Chem 201 Structure & Reactivity (General Chemistry I)	3
Chem 201L Structure & Reactivity Laboratory	1
Chem 206 Equilibria (General Chemistry II)	3
Chem 206L Equilibria Laboratory	1
Math 205 Statistics I	3
Approved Elective in Math, Computer Science, Computer Information Systems, or Psychology	3-4

**Chosen in accordance with Departmental breadth policy.*

Minor in Biology, 20-24 credits

Required Courses

Bio 211 Concepts in Biology I	4
Bio 212 Concepts in Biology II	4
Approved Biology Electives, with at least 9 credits at the 300-400 levels	12-14

DEPARTMENT OF CHEMISTRY

Chairperson: Norman T. Boggs

Major and Minor:

Major in Chemistry, B.S. or B.A.

Specialized Program of Study in Biochemistry (B.S. only)

Minor in Chemistry

MISSION

The Department of Chemistry, consistent with a principal mission of the College, offers a rigorous program both in the classroom and in the laboratory which fulfills the curricular needs of three basic constituencies: majors in chemistry and in the specialized program of study in biochemistry; chemistry minors and other science majors or pre-professional students; and non-science majors. The Department program emphasizes hands-on instrumentation experiences and undergraduate research, enabling majors to successfully enter directly into a scientific career or into graduate programs in higher pre-professional learning.

The Department provides support courses to science majors and pre-professional students for the completion of their science programs. In addition, the Department offers enrichment to the education of non-science majors by providing courses designed to develop their scientific and quantitative skills and literacy. Finally, the Department strives to provide laboratory programs that are accessible to the physically challenged.

GOALS

1. Chemistry majors and chemistry majors with a specialized program of study in biochemistry will have a firm foundation in chemical principles as well as a higher

level of understanding in each of the chemistry subdisciplines: analytical, organic, inorganic, and physical.

2. Majors will have a working knowledge of chemical instrumentation and laboratory techniques and be able to use those skills to design and conduct independent work.
3. Majors will know how to search primary chemical literature, follow and learn from scientific presentations, and give effective oral reports on research topics.
4. Majors will leave with the skills to maintain themselves professionally, including the skills necessary to employ computer information systems, E-mail, and to navigate the "information network."
5. Majors will leave directly into employment or to higher education or with at least a plan for further career development.
6. Other science majors will have a firm foundation in chemical principles as mandated by their professional career choices.
7. Students taking their laboratory science breadth requirement will leave with a substantially enhanced chemical literacy and a facility with simple laboratory techniques and quantitative skills.

Honors in Chemistry

Majors in chemistry or in chemistry with a specialized program of study in biochemistry working toward a B.S. may receive a degree with the designation "honors in chemistry" or "honors in chemistry/biochemistry" upon application and approval by the chemistry faculty and after successful completion of the following, which are in addition to the usual major requirements:

To be eligible for honors, students must:

1. Maintain a 3.3 G.P.A. or better in the courses required for the major, and a 3.0 cumulative G.P.A.
2. Complete during the senior year, with

grades of 3.3 or better, two semesters (8 credit hours) of research in Chem 497 Honors Research in association with a member of the chemistry faculty. A term spent in a research/seminar such as those offered by the U. S. Department of Energy (SERS), by universities, or by national laboratories, may qualify in part for meeting this requirement. All honors research projects require pre-approval by the chemistry faculty.

3. Submit the results of the research as an honors thesis.
4. Preside over a seminar on the honors thesis of at least 30 minutes' duration to all interested members of the College community.
5. Defend the honors thesis in an oral examination before an honors examination committee consisting of the supervising member of the chemistry faculty and a minimum of two other faculty members. The honors examination committee will be appointed by the Chemistry Department Chairperson in consultation with honors students no later than the beginning of the student's final regular term.

Application for the "honors" designation should be completed and approved by the regular date for advanced registration for the first regular term of the honors student's senior year.

PROGRAMS OF STUDY

The major in chemistry is a contract major in which students and their chemistry advisor choose an approved course of study which may direct students toward specific career objectives such as professional training in medicine, dentistry, pharmacy, law, or business; attending graduate school in a chemistry, biochemistry, pharmacology, or environmental science program; or finding immediate employment as lab technicians, teachers, chemical marketers, or in management.

The chemistry programs emphasize laboratory training. Laboratories are designed to

develop skill and self-reliance in the use of laboratory equipment and analytical instruments.

The major in chemistry with a specialized program of study in biochemistry offers students a solid grounding in the fundamentals of biochemistry, molecular biology, and chemistry, and prepares students for careers in the health sciences as well as for advanced degrees in biochemistry, molecular biology, pharmacology, and toxicology.

CORE REQUIREMENTS FOR CHEMISTRY MAJORS: 20 CREDITS

Required Courses

Chem 201 Structure and Reactivity (General Chemistry I)	3
Chem 201L Structure and Reactivity Laboratory	1
Chem 206 Equilibria (General Chemistry II)	3
Chem 206L Equilibria Laboratory	1
Chem 311 Introductory Organic Chemistry I	3
Chem 311L Introductory Organic Chemistry I Lab	1
Chem 312 Introductory Organic Chemistry II	3
Chem 312L Introductory Organic Chemistry II Lab	1
Chem 315 Analytical Chemistry	4

Major in Chemistry, 56-58 credits: B.S.

Required Courses

Chemistry Major Core Requirements	20
Chem 401 Thermodynamics and Kinetics	3
*Approved Chemistry Electives at the 300-400 levels	11

Support Courses:

Math 221 Calculus I	4
Math 222 Calculus II	4
Phys 211 General Physics I	4
Phys 212 General Physics II	4

Approved Electives chosen from:

Bio 211 Concepts in Biology I (4), and
 Bio 212 Concepts in Biology II (4)
OR
 CS 110 Introduction to Computer
 Science (3), and
 CS 223 Computer Science II (3) 6-8

**Two of these electives must be courses with a laboratory component.*

**Major in Chemistry with a
 Specialized Program of
 Study in Biochemistry,
 55 credits: B.S.**

Required Courses

Chemistry Major Core Requirements 20
 Approved Chemistry Elective
 chosen from Chem 319 or 401 3
 Chem 404 Biochemistry 3
 Chem 404L Selected Topics in
 Experimental Biochemistry 1
**Approved Chemistry Elective at
 the 300-400 level 4*

Support Courses:

Bio 212 Concepts in Biology II 4
 Approved Biology Electives (or
 approved substitutions) chosen
 from Bio 327, 345, 346,
 347, or 441 8
 Math 221 Calculus I 4

Approved Physics Electives chosen from
 Phys 201 and 202; OR 211 and 212 8

**This course must include a laboratory component.*

**Major in Chemistry,
 40-44 credits: B.A.**

Required Courses

Chemistry Major Core Requirements 20
**Approved Chemistry Electives at
 the 300-400 levels 7-8*
***Approved Mathematics, Physics,
 and/or Biology Electives 13-16*
**One of these courses must include a laboratory
 component.*
***At least one of these courses must be at the 300-
 400 levels.*

**Minor in Chemistry,
 22-24 credits**

Required Courses

Chem 201 Structure and Reactivity
 (General Chemistry I) 3
 Chem 201L Structure and Reactivity
 Laboratory 1
 Chem 206 Equilibria
 (General Chemistry II) 3
 Chem 206L Equilibria Laboratory 1
 Chem 311 Introductory Organic
 Chemistry I 3
 Chem 311L Introductory Organic
 Chemistry I Laboratory 1
 Chem 312 Introductory Organic
 Chemistry II 3
 Chem 312L Introductory Organic
 Chemistry II Lab 1
 Approved Electives chosen from:
 two chemistry courses at
 the 300-400 levels
OR
 One chemistry course at
 the 300-400 level, and
 either Phys 201 or Phys 211 6-8

DEPARTMENT OF MATHEMATICAL SCIENCES

Chairperson: Barbara J. Frank.

Major and Minors:

Major in Mathematics, B.S. or B.A.

Specialized Program of Study in Computer Science (B.S. only)

Specialized Program of Study in Pre-Engineering, (B.S. only)

Minor in Mathematics

Minor in Computer Science

Minor in Computer Information Systems

MISSION

The mission of the Department of Mathematical Sciences is to enable majors to develop critical thinking skills and to become effective problem solvers while mastering a broad spectrum of knowledge from the mathematical sciences. Concentration is given to the mathematical sciences as both an object of study and as a tool for application. Upon graduation, students majoring in the mathematical sciences are prepared for a broad spectrum of professional opportunities, both in careers and in graduate and professional schools. General students should have the mathematical and computer literacy required for their areas of study and to function competently in a modern technological society.

The mathematics major is designed to include students with a wide variety of goals and backgrounds. Mathematics is an excellent preparation for many diverse fields—technical, legal, scientific, medical, managerial, computational, and engineering.

GOALS

Upon completion of the major in the mathematical sciences, students will

1. Understand the mathematics that forms the core of the undergraduate curriculum;
2. Be able to solve real-world problems ranging from the concrete to the abstract to the theoretical;
3. Be able to read mathematics and communicate mathematical ideas and information effectively in oral and written reports;
4. Be able to use technology as a problem solving tool;
5. Understand the relationship between the mathematical sciences and our cultural heritage, as well as the role of mathematics in contemporary society;
6. Be prepared to compete successfully both in careers and in graduate and professional schools.

Goals for the non-majors are as follows:

1. Students minoring in Computer Information Systems should be able to apply the ideas of systems analysis and design, and of database organization and design in order to analyze and (re)design an information system for any organization.
2. Each St. Andrews student should have the opportunity to acquire basic computer literacy.
3. All St. Andrews graduates should have the quantitative skills necessary for functioning in modern society.
4. Students taking courses in the mathematical sciences to fulfill requirements in areas outside of mathematics should have the mathematical background necessary to succeed in these courses, should acquire the skills used in practice, and should be exposed to applications of the course material to their field of study.

Honors in Mathematics

Mathematics majors may receive a B.A. or a B.S. degree with the designation "honors in mathematics" or "honors in mathematics/computer science" upon selection by the mathematical sciences faculty, certification by the Dean of the College, and upon successful completion of the following:

1. Maintaining a G.P.A. of 3.3 or better in mathematics and/or computer science courses and a cumulative minimum G.P.A. of 3.0;
2. Successfully completing two 3-credit independent study courses (Math 497 Guided Independent Study in Mathematics) with grades of 3.3 or better in each;
3. Presenting an honors thesis on a topic approved by the mathematical sciences faculty;
4. Defending the honors thesis in a comprehensive oral examination before a committee comprised of all members of the Department of Mathematical Sciences and at least one outside examiner from some other Department in the College. Examiners from outside the College may also be invited when appropriate.

Application for the honors designations must be completed and approved by the regular date for advanced registration for the first regular term of the student's senior year.

PROGRAMS OF STUDY

The mathematics major is a contract major in which students, in consultation with their mathematical sciences advisor, select the courses necessary to fulfill contract requirements.

Mathematical Sciences Course Exclusions and Suggestions

Mathematical science courses numbered 100-199 do not count toward the requirements for a major or minor in mathematics. Math 350 Mathematical Modeling (4) is strongly suggested for all mathematics majors.

*CORE REQUIREMENTS FOR MATHEMATICS MAJORS: 26-27 CREDITS

Required Courses

Math 221 Calculus I	4
Math 222 Calculus II	4
Math 325 An Introduction to Axiomatic Systems and Abstract Algebra	3
Math 479 Senior Seminar	2
Approved Electives chosen from	

Math 216, 310, or 312	7-8
Approved Elective chosen from	
Math 422 or 450	3
CS 110 Introduction to Computer Science	3

**Students pursuing the major in mathematics with a specialized program of study in pre-engineering are exempt from some of these core requirements.*

Major in Mathematics, 46-51 credits: B.S.

Required Courses

Mathematics Major Core Requirements	26-27
Approved Mathematics Electives, with at least 3 courses at the 300-400 levels	12-16
Phys 211 General Physics I	4
Phys 212 General Physics II	4

Major in Mathematics, 35-38 credits: B.A.

Required Courses

Mathematics Major Core

Requirements	26-27
Approved Mathematics Electives, with at least 3 courses at the 300-400 levels	9-12

Major in Mathematics with a Specialized Program of Study in Computer Science, 49-56 credits: B.S.

Required Courses

Mathematics Major Core

Requirements	26-27
Approved Mathematics Electives at the 300-400 levels	6-12
Approved Computer Science Electives at the 200-, 300-, or 400-levels	9
Phys 211 General Physics I	4
Phys 212 General Physics II	4

Major in Mathematics with a Specialized Program of Study in Pre-Engineering, 54-57 credits: B.S.

3/2 Program with North Carolina State University

Students who follow the specialized program of study for pre-engineering under the mathematics major can complete all requirements for a bachelor of science degree in mathematics from St. Andrews College AND for a bachelor of science degree in a field of engineering at North Carolina State University. This is a 3/2 program: the student attends St. Andrews for three years and North Carolina State University for two years.

Since the sequence of courses required during the student's three-year tenure at St. Andrews is firmly fixed, and since North Carolina State University has extensive general education requirements (many of which can be met by prudent choices in St. Andrews' breadth requirements), students interested in this program should contact the St. Andrews dual-degree advisor in pre-engineering as soon as possible.

Required Courses

Math 205 Statistics I	3
Math 221 Calculus I	4
Math 222 Calculus II	4
Math 310 Multivariable Calculus	4
Math 312 Linear Algebra and Applications	4
Math 340 Ordinary Differential Equations: A Model Theoretic Approach	4
Phys 211 General Physics I	4
Phys 212 General Physics II	4
Chem 201 Structure and Reactivity (General Chemistry I)	3
Chem 201L Structure and Reactivity Laboratory	1
Chem 206 Equilibria (General Chemistry II)	3
Chem 206L Equilibria Laboratory	1
*CS 110 Introduction to Computer Science	3
CS 223 Computer Science II	3
Approved Mathematics, Computer Science, or Chemistry Electives at the 300-400 levels	9-12

**Or equivalent experience as determined by the computer science faculty.*

Minor in Computer Information Systems, 18 credits

The computer information systems curriculum is designed to prepare students to assist an organization in identifying its information needs; in developing and implementing a com-

puter-based system for collecting, storing, processing, and accessing information; and in managing a system.

Required Courses

CIS 101 Introduction to Computer Information Systems	3
CIS 304 Systems Analysis	3
CIS 305 Database Programming and Development	3
CIS 401 Senior Project	3
CS 110 Introduction to Computer Science	3
Bus 209 Principles of Accounting I	3

Minor in Computer Science, 21 credits

Required Courses

CS 110 Introduction to Computer Science	3
CS 223 Computer Science II	3
CS 301 Data Structures	3
CS 302 Operating Systems	3
Math 205 Statistics I	3
Approved Elective in Computer Science at the 300-400 level	3

Minor in Mathematics, 20-24 credits

Required Courses

Math 221 Calculus I	4
Math 222 Calculus II	4
Approved Mathematics Electives at the 300-400 levels	9-12
Approved Mathematics or Computer Science Elective	3-4

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS MEDICINE

Chairperson: Brett D. Mills

Major and Minors:

- Physical Education and Sports Medicine, B.A.
- Specialized Program of Study in Physical Education with Teacher Certification K-12
- Specialized Program of Study in Sports Medicine
- Specialized Program of Study in Sports Management
- Minor in Equine Studies
- Minor in Sports Medicine
- Minor in Sports Management

MISSION

The Department of Physical Education and Sports Medicine, in keeping with the mission of the College, enables students to better understand the potential of human physical activity and the effects of physical activities on humans as physical beings. The Department provides quality instruction, and as a result provides communities with quality professionals. The Department's faculty and students are dedicated to the teaching and practice of a healthy lifestyle for every member of the College community.

GOALS

1. All students will understand how the physical activity of the body interacts within all aspects of life as a whole by a

broad study of the field of physical education, which includes discipline areas related to the natural sciences, psychology, pedagogy, management, sociology, health, history, and philosophy.

2. All students will gain a significant knowledge base and the skills necessary for them to be practitioners in fields related to physical movement.
3. All students will receive the necessary practical experiences to maximize their professional opportunities, as well as opportunities to pursue more specialized training after completion of their undergraduate studies.

PROGRAMS OF STUDY

CORE REQUIREMENTS FOR PHYSICAL EDUCATION MAJORS: 16 CREDITS

HPS 231 Foundations and Principles of Physical Education and Sport	3
HPS 402 Exercise Physiology	3
HPS 410 Organization and Administration of Physical Education and Sport	3
HPS 434 Kinesiology	3
Bio 207 Human Anatomy and Physiology	4

Major in Physical Education and Sports Medicine, 44 credits: B.A.

Required Courses

Physical Education Core Requirements	16
HPS 210 Personal and Community Health	3
HPS 235 Principles of Adapted Physical Education	3
HPS 236 Basic Techniques in Athletic Training	3
HPS 259 Skill Analysis: Individual- Team Sports	2
HPS 261 Skill Analysis: Gymnastics and Dance	2
HPS 331 Evaluation in Physical Education	3
HPS 333 Methods of Teaching Physical Education in the Secondary School	3
HPS 334 Motor Control and Learning	3
HPS 361 Methods of Teaching Health in the Schools	3
PE 210 Swimming	1
Ed 246 Education, Culture and Society	3
Ed 308 Human Development	3
Ed 315 Educational Psychology	3
Ed 321 Reading and Writing in the Content Areas for 7-12 Teachers	3

HPS 331 Evaluation in Physical Education	3
HPS 451 Biomechanics	3
HPS 453 Nutrition for Sport and Activity	3
HPS 455 Therapeutic Modalities	3
Psy 201 Introduction to Psychology	3

Major in Physical Education with a Specialized Program of Study in Physical Education with K-12 Certification, 69 credits: B.A.

Required Courses

Physical Education Core Requirements	16
HPS 210 Personal and Community Health	3
HPS 233 Methods of Teaching Physical Education in the Elementary School	3
HPS 235 Principles of Adapted Physical Education	3
HPS 259 Skill Analysis: Individual- Team Sports	2
HPS 261 Skill Analysis: Gymnastics and Dance	2
HPS 331 Evaluation in Physical Education	3
HPS 333 Methods of Teaching Physical Education in the Secondary School	3
HPS 334 Motor Control and Learning	3
HPS 361 Methods of Teaching Health in the Schools	3
PE 210 Swimming	1
Ed 246 Education, Culture and Society	3
Ed 308 Human Development	3
Ed 315 Educational Psychology	3
Ed 321 Reading and Writing in the Content Areas for 7-12 Teachers	3

Ed 355 The Exceptional Child	3
Ed 423 Student Teaching	10
Ed 425 Senior Seminar	2

Major in Physical Education with a Specialized Program of Study in Sports Management, 51-54 credits: B.A.

Required Courses

Physical Education Core	
Requirements	16
HPS 259 Skill Analysis: Individual- Team Sports	2
HPS 261 Skill Analysis: Gymnastics and Dance	2
HPS 335 Foundations of Sport Management	3
HPS 368 Sport Sociology	3
HPS 495 Internship in Physical Education and Sport	1-4
B/E 209 Principles of Accounting I	3
B/E 210 Principles of Accounting II	3
B/E 231 Microeconomics	3
B/E 312 Principles of Marketing	3
B/E 315 Business Law	3
B/E 325 Principles of Management	3
B/E 355 Organizational Behavior OR B/E 373 Human Resources Management	3
CIS 101 Introduction to Computer Information Systems	3

Major in Physical Education with a Specialized Area of Study in Sports Medicine, 54-57 credits: B.A.

Required Courses

Physical Education Core	
Requirements	16
HPS 210 Personal and Community Health	3
HPS 235 Principles of Adapted Physical Education	3
HPS 236 Basic Techniques in Athletic Training	3
HPS 295 Internship in Physical Education OR HPS 395 Internship, OR HPS 495 Internship	1-4
HPS 331 Evaluation in Physical Education	3
HPS 351 Advanced Techniques in Athletic Training	3
HPS 451 Biomechanics	3
HPS 453 Nutrition for Sport and Activity	3
HPS 455 Therapeutic Modalities	3
Bio 212 Concepts in Biology II	4
Chem 150 Chemistry: Observation and Measurement	3
Psy 201 Introduction to Psychology	3
Psy 231 Personality in Social Context	3

Minor in Equine Studies, 20 credits

Students contracting for this minor must show proof of current Red Cross certification in First Aid and CPR. Red Cross certification may be obtained independently, or by successfully completing the Red Cross certification portion of HPS 210 Personal and Community Health (3).

Required Courses

HPS 240 Stable Management and	
Horse Husbandry	3
HPS 241 Horse Science	3
HPS 340 Equine Business	
Management	3
HPS 341 Preparation for ANRC-Rated	
Rider Testing	3
HPS 342 Form to Function: Principles of	
Judging and Selecting Hunters	3
HPS 440 Introduction to Contemporary	
Riding and Teaching	3
Approved Physical Education Activity	
Courses numbered 263 or above	2

Minor in Sports Medicine, 18-24 credits

Required Courses

HPS 210 Personal and Community	
Health	3
HPS 231 Foundations and Principles of	
Physical Education and Sport	3
HPS 331 Evaluation in Physical	
Education	3
HPS 402 Exercise Physiology	3
Approved Physical Education Electives to	
total 18-24 credit hours, with at least at	
least one-half (total) at the	
300-400 levels	6-12

Minor in Sports Management, 18-24 credits

Required Courses

HPS 210 Personal and Community	
Health	3
HPS 231 Foundations and Principles of	
Physical Education and Sport	3
HPS 331 Evaluation in Physical	
Education	3
HPS 402 Exercise Physiology	3
Approved Physical Education Electives to	
total 18-24 credit hours, with at least at	
least one-half (total) at	
the 300-400 levels	6-12

Division of Social & Behavioral Sciences

Dr. Charles Clark, Chair

- Department of Anthropology
- Department of Business & Economics
- Department of Education
- Department of History
- Department of Politics
- Department of Psychology

DEPARTMENT OF ANTHROPOLOGY

Chairperson: Margaret Houston

MISSION

The mission of the Department of Anthropology is to make students aware of the rich variety of cultures and peoples around the world, and to give students a basic knowledge of human origins, past cultures, how cultures operate, and what it means to be human. Armed with this knowledge and awareness students can understand and/or live in other cultures and reflectively better understand their own diverse cultures.

GOALS

The primary goal is to expose as many St. Andrews students as possible to other cultures, to key concepts in anthropology, and to ecological and symbolic frameworks for looking at human societies. Although there is no major in anthropology, the Department serves the needs of all St. Andrews students, regardless of their major. The Department's aim is also to prepare interested students as much as possible for graduate school and to advise students on careers. The Department also seeks to bring the fruits of anthropology to prospective students and to the local community.

To meet these goals the Department teaches basic anthropology courses, support courses for students in other majors, and guided independent study courses for students with specialized needs. Through both courses and informal contexts (such as guest lecturers and field trips to the Mill Prong Plantation House) the Department seeks to prepare students to operate in a culture different from their own. The Department of Anthropology promotes international programs and awareness, encourages mutual learning between native and international students at St. Andrews, and maintains informational contacts with other anthropologists for students' benefit. The Department also houses the McLean African Art Collection which supports courses in archaeology.

Students may enroll in anthropology courses for a variety of reasons: for general interest, for major and/or minor requirements, or for breadth requirements.

DEPARTMENT OF BUSINESS AND ECONOMICS

Chairperson: Corinne Nicholson

Major and Minor:

Major in Business Administration, B.A.
Specialized program of study in
Equine Business Management
Special dual-degree program in Ac-
counting

Minor in Business and Economics

Within the Major in Business Administration the Department of Business and Economics offers five concentrations and one Specialized Program of Study. The areas of concentration are Accounting, Economics, Finance, Management, and Marketing; the Specialized Program of Study is in Equine Business Management.

Students interested in international business may want to consider the Interdisciplinary Major in International Business, which is located in the "Interdisciplinary Majors & Minors" section of this catalog.

MISSION

The business and economics program, in keeping with the mission of the College, blends a mastery of skills, an exposure to knowledge and the development of ethics and values. The strength of the major in business is derived from combining studies in the SAGE curriculum, in the common body of knowledge in the business curriculum, and in the specific courses within a defined concentration or specialized program of study.

The Department of Business and Economics meets its objective of providing future managerial and professional leadership to the region and to the nation by combining the strengths of the liberal arts and sciences program with the individual disciplinary programs. By allowing students to choose an area of concentration, the program prepares students for careers in business and government, or to enter graduate study.

GOALS

1. Students should obtain an understanding of basic business and economic concepts and skills that will maximize their opportunities for growth in a managerial or business-related career in a changing global environment.
2. Students should be able to understand the value of entrepreneurship in our economy. They should be familiar with a thorough business plan and understand its benefits.
3. Students should develop their oral and written communication skills.
4. Students should develop their analytical and decision-making skills through use of case materials and through study of actual business situations.
5. Students should understand the concept of social responsibility and ethical conduct in a competitive society.

ASSESSMENT

Students majoring in business administration will participate in writing a business plan for a new venture creation, which helps students understand the value of entrepreneurship in our economy. Students are required to write a paper or thorough case analysis acceptable to the Department to demonstrate effective written communication skills. Oral presentation skills are developed and assessed through the presentation of a topic related to business and economics. Students develop their decision-making skills and enhance their understanding of the concept of social responsibil-

ity through the use of case materials that emphasize ethical conduct in a competitive society. Normally, these goals and assessment procedures are a regular part of the course requirements within the Department.

Additionally, all students seeking a major in the Department of Business and Economics must respond to a Departmental survey as they progress through the "Core Requirements," and in conjunction with the capstone requirement. The Department periodically surveys its graduates to determine the areas in which the Department excels as well as the areas in which the Department needs improvement.

Internships in Business and Economics

An internship with a business organization or a nonprofit agency enables students to explore potential careers, clarify their educational and career goals, develop new skills, gain valuable work experience, and develop professional contacts. Prospective interns must meet College-wide requirements and be approved by the Department.

Internships can be taken during any academic term and interns receive variable credits in B/E 395 or 495 based on the nature of the on-site experience.

Requirements for Transfers

Transfer students are required to meet the College-wide general education requirements and must take 27 credits of business courses at St. Andrews. In order to ensure that the Departmental goal of familiarity with a thorough business plan is met, students who have taken "Principles of Management" at another institution must take B/E 374 Entrepreneurship (3) at St. Andrews.

PROGRAMS OF STUDY

CORE REQUIREMENTS FOR BUSINESS ADMINISTRATION MAJORS: 30 CREDITS

Required Courses

B/E 209 Principles of Accounting I	3
B/E 210 Principles of Accounting II	3
B/E 231 Microeconomics	3
B/E 232 Macroeconomics	3
B/E 304 Principles of Finance	3
B/E 312 Principles of Marketing	3
B/E 325 Principles of Management	3
B/E 442 Senior Policy and	
Strategy Seminar	3
CIS 101 Introduction to Computer	
Information Systems, or B/E 390	
Management Information Systems	3
Math 205 Statistics I, or B/E 364	
Quantitative Methods for	
Business and Economics	3

Major in Business Administration with a Concentration in Accounting, Economics, Finance, Management, or Marketing, 51 credits: B.A.

Required Courses

Business Administration Major	
Core Requirements	30
Approved Business and Economics	
Electives	12
Approved Area of Concentration	
Electives chosen from one of the	
following areas:	9
Accounting:	
B/E 309, 310, 311, 315, 371, 372, X90, X95,	
X98, or X99	
Economics:	
B/E 302, 306, 308, 319, 345, 363, 364, 366,	
X90, X95, X98, or X99	

Finance:

6 credits chosen from B/E 306, 308, or 362;
AND

3 credits chosen from B/E 309, 319, 363,
364, X90, X95, X98, or X99

Management:

B/E 315, 319, 355, 366, 373, 374, 376, 422,
446, 471, X90, X95, X98, or X99

Marketing:

B/E 333, 374, 376, 419, 446, 463, X90, X95,
X98, or X99

Major in Business***Administration with a
Specialized Program of
Study in Equine Business
Management,
51 credits: B.A.*****Required Courses**

B/E 209 Principles of Accounting I	3
B/E 210 Principles of Accounting II.....	3
B/E 231 Microeconomics	3
B/E 304 Principles of Finance	3
B/E 312 Principles of Marketing	3
B/E 315 Business Law	3
B/E 325 Principles of Management	3
HPS 240 Stable Management and Horse Husbandry	3
HPS 241 Horse Science	3
HPS 340 Equine Business Management	3
HPS 341 Preparation for ANRC-Rated Rider Testing	3
HPS 342 Form to Function: Principles of Judging and Selecting Hunters	3
HPS 440 Introduction to Contemporary Riding and Teaching	3
One Approved Elective chosen from:	
B/E 374 Entrepreneurship (3)	
CIS 101 Introduction to Computer Information Systems (3)	
HPS 335 Foundations of Sports Management (3)	

HPS 410 Organization and
Administration of Physical Education
and Sport (3)

B/E 395 Internship in Business &
Economics, (3) OR

HPS 395 Internship in Physical
Education and Sport Medicine (3) 3

One Approved Elective chosen from:

 B/E 355 Organizational Behavior (3)

 B/E 373 Human Resources
 Management (3)

 Psy 231 Personality in
 Social Context (3)

One Approved Elective chosen from:

 Eng 333 Journalism (3)

 Comm 230 Mass Communications (3)

 Comm 339 Public Relations (3)

One Approved Capstone Elective
chosen from:

 B/E 442 Senior Policy and Strategy

 Seminar (3), OR HPS 495, HPS 498,
 or HPS 499

***Contract Major in
Business Administration,
45 credits: B.A.***

For students whose needs are different from the standard areas of concentration, contract majors in business administration and economics may be arranged. Examples of contract majors include: general business, business and psychology, museum management, and business/politics. All contracts must be approved by the Department faculty and declared by midterm of the first semester of the student's senior year.

Required Courses

Business Major Core Requirements	30
Approved Electives, with 12 credits at the 300-400 levels	15

Dual-Degree Program in Accounting

St. Andrews B.A. in Business Administration

University of Georgia Master's Degree in Accountancy

The 3/2 and 4/2 dual-degree programs in accounting are built on an agreement between St. Andrews College and the University of Georgia. Students attend St. Andrews for 3 or 4 years, then the J.M. Tull School of Accounting for 2 years.

After completing the academic requirements of St. Andrews College, students shall be awarded a B.A. in Business Administration. After completing the academic requirements of the University of Georgia, students shall be awarded a Master's in Accountancy.

The 3/2 program is established for those students who wish to major in business administration with a specialized program of study in accounting. The 4/2 program allows students more flexibility in their degree, and better prepares students to succeed when sitting for the Certified Public Accountant examination.

Requirements for approval for degree-seeking status as a dual degree candidate at the University of Georgia are as follows:

1. Completion of 27 courses at St. Andrews College.
2. A recommendation from the pre-professional accounting program advisor at St. Andrews College.
3. A cumulative College G.P.A. of at least a 3.0.
4. A GMAT score of at least 500.

Required Courses

*Business Administration Major Core Requirements	27
B/E 309 Intermediate Accounting I	3
B/E 310 Intermediate Accounting II	3
Approved Microeconomics	
Elective at the 300-400 level	3
Math 221 Calculus I	4

**Students pursuing the 3/2 program are exempted from B/E 442 Senior Policy and Strategy Seminar (3).*

Minor in Business and Economics, 24 credits

Required Courses

B/E 209 Principles of Accounting I	3
B/E 231 Microeconomics, OR	
B/E 232 Macroeconomics	3
B/E 304 Principles of Finance	3
B/E 312 Principles of Marketing	3
B/E 325 Principles of Management	3
Approved Business and	
Economics Electives	9

DEPARTMENT OF EDUCATION

Chairperson: Jane Huffman

Major:

Major in Education, B.A.

MISSION

The mission of the St. Andrews Department of Education is to prepare learner-directed, proactive teachers who believe in and demonstrate that teachers are the single most important factor outside the home environment in affecting student learning and development. The learner-directed, proactive teacher who graduates from St. Andrews is aware and appreciative of cultural achievements in the arts and literature and understands the role of science in the creation of a humane, integrative world. The St. Andrews learner-directed proactive teacher has an intelligent, global concern for democratic relations in school and society and realizes that a teacher's intellectual, moral, and spiritual growth extends well beyond the college years. Dedication to physical and emotional health and vitality, with a clear sense of vocation for the stewardship of life, are educational necessities for the learner-directed, proactive teacher of the 21st century.

GOALS

The Department of Education has as its primary objective the preparation of learner-directed, proactive teachers who are professionally competent, personally and socially mature, spiritually enlightened, and acutely aware of their responsibilities to society. The goals of the Department of Education are to prepare teachers who:

1. Facilitate the enculturation of students into a political democracy.
2. Provide access to knowledge.
3. Build effective teacher-student connections.
4. Practice good stewardship and act as advocates for children.
5. Advocate change through education.
6. Exercise a substantial repertoire of effective student-centered, proactive teaching practices.
7. Acquire and practice a multicultural perspective that recognizes the importance of cultural diversity.

Special Breadth Requirements for Education Majors

As a general breadth requirement (see "Breadth Requirements" in this catalog, all students at St. Andrews are required to take a minimum of 4 credits in one laboratory science discipline. However, **Psychology 201 Introduction to Psychology (3) and Psychology 201 Introduction to Psychology Laboratory (1)** will not satisfy the laboratory science requirement for elementary licensure.

Also as a general breadth requirement, all students at St. Andrews are required to take a minimum of 3 and a maximum of 4 credits in a critical and quantitative thinking discipline. **However, students in the teacher education program are encouraged to take a critical and quantitative thinking breadth course with a "Math" prefix to satisfy elementary licensure requirements.**

Admission to the Program

Formal admission to the teacher education program is a separate process from admission to St. Andrews College. Admission to, and continuation in, a licensure program is only granted to those students who show clear evi-

dence of becoming competent, mature, and responsible teacher candidates.

Students seeking to be formally admitted to the teacher education program must meet the following requirements:

1. Have sophomore class standing with a minimum G.P.A. of 2.5. (To achieve this, students should have a minimum G.P.A. of 2.0 by the end of the first year.)
2. Achieve a satisfactory score on the appropriate sections of The Praxis Series test.
3. Submit to their education advisor an Application for Admission to Teacher Education.
4. Submit to their education advisor three Reference Forms from previous instructors.

Change of Major

Students who change their major to education must satisfy all the special breadth requirements and all the "Specialty Area" requirements for education majors.

Transfer Course Credit

The transcripts of transfer students and licensure-only students are evaluated individually by the appropriate faculty to ascertain which courses from other institutions are equivalent to the courses at St. Andrews College. In some instances, students may be required to repeat a basic course if their skill level is judged to be inadequate. A program of study is then prepared outlining the courses to be taken at St. Andrews to complete licensure requirements in teacher education.

"Specialty Area" or "Professional Studies" courses taken at St. Andrews College or at any other accredited institution that are more than 5 years old may not be accepted toward a licensure program.

Formal Admission of Transfer and Licensure-Only Students

Transfer students who are pursuing a bachelor's degree, and who have passed The Praxis Series test for entry to teacher education, must complete a minimum of 12 credits at St. Andrews, and must earn a minimum G.P.A. of 2.5 before being formally admitted to the teacher education program.

Licensure-only students must complete a minimum of 12 credits at St. Andrews College, and must earn a minimum G.P.A. of 2.5 before being formally admitted to the teacher education program.

College Graduates Seeking Licensure Only

Licensure-only students seek to "add on" to a license or to acquire initial licensure. Licensure-only students must meet the same requirements as the degree-seeking students. Licensure-only students must hold a four-year degree from an accredited college or university.

Maintaining Satisfactory Progress in the Teacher Education Program

To maintain satisfactory progress in the program, teacher education majors:

1. Are limited to introductory courses in education (e.g.: Ed 246 Education Culture and Society) or a maximum of 50% of the courses that constitute the total "Professional Studies" program, excluding student teaching, until they are formally admitted to the teacher education program.
2. Must maintain an overall G.P.A. of 2.5 or better.
3. Must maintain a G.P.A. of 2.0 or better

in their "Specialty Area" program of study.

4. Must retake any "Specialty Area" course in which a grade of D or F is received.
5. Must maintain a G.P.A. of 2.5 or better in their "Professional Studies" program of study.
6. Must retake any "Professional Studies" course in which a grade of C- or lower is received.
7. Must have an overall G.P.A. of 2.5 or better to be eligible for a student teacher placement.

Student Teaching

The student teaching experience is substantial and full-day for at least 60 school days in a public school. In order to be admitted to the professional semester, students must meet several requirements in addition to the initial requirements for formal admittance to teacher education candidacy. Students must:

1. Have a G.P.A. of 2.5 or better in their teaching major.
2. Have a G.P.A. of 2.5 or better in their "Professional Studies" program of study.
3. Have an overall G.P.A. of 2.5 or better.
4. Remove all incomplete grades.
5. Submit the Application for Student Teaching.
6. Satisfactorily complete an interview with the Teacher Education Committee.

Students in the program who are working as teacher assistants will not be permitted to student-teach in a school where they serve as an assistant.

Student teachers will be permitted to engage in outside employment, participate in College extracurricular activities, or enroll in a class only with the approval of their education advisor, the College Coordinator of Internships, and the Teacher Education Committee.

Exit Policies

All students seeking licensure must meet all requirements of this program, including course requirements, The Praxis Series requirements, grade point average requirements, and student teaching requirements.

PROGRAM OF STUDY

CORE REQUIREMENTS FOR EDUCATION MAJORS: 24 CREDITS

All students in the teacher education program, regardless of licensure area, are required to successfully complete the following courses with a grade of C (2.00) or better.

Required Courses

Ed 246 Education, Culture and Society	3
Ed 308 Human Development, OR	
Ed 315 Educational Psychology	3

The following courses may be taken only after being admitted to the teacher education program:

Ed 308 Human Development, OR	
Ed 315 Educational Psychology	3
Ed 355 The Exceptional Child	3
Ed 423 Student Teaching Internship	10
Ed 425 Student Teacher Senior Seminar	2

Major in Elementary Education with Certification K-6, 53 credits: B.A.

Education Major Core Requirements 24

Specialty Area Requirements:

Env Sci 161 Environment: A User's Guide, (4) OR	
Chem 150 Chemistry: Observation and Measurement (3), AND Chem 150L Chemistry: Observation and Measurement Lab (1)	4

Geo 201 World Geography I: Western Hemisphere (3), OR	
Geo 202 World Geography II: Eastern Hemisphere (3)	3
Hist 201 American Civilization I	3
Hist 202 American Civilization II	3
Hist 209 North Carolina History	3
Psy 201 Introduction to Psychology	3
Professional Studies Method Course Requirements:	
<i>(The following courses may be taken prior to formal admittance.)</i>	
Art 321 Art in the Elementary School	3
Ed 230 Cultural Arts in the Elementary School	3
Ed 319 Literature for Children and Youth	3
HPS 233 Methods of Teaching Physical Education in the Elementary School	3
HPS 361 Methods of Teaching Health in the Schools	3
Mus 353 Music in the Elementary Schools	3
<i>The following courses may be taken only after being formally admitted to the teacher education program.</i>	
Ed 336 Reading Instruction in the Elementary School	4
Ed 338 Communication Skills in the Elementary School	3
Ed 339 Social Studies in the Elementary School	3
Ed 340 Mathematics in the Elementary School	3
Ed 341 Life, Earth, and Physical Science in the Elementary School	3

DEPARTMENT OF HISTORY

Chairperson: George Melton

Major and Minor:

Major in History, B.A.

Minor in History

MISSION

In keeping with the mission of the College, the Department of History emphasizes teaching the knowledge and the skills necessary for students to be articulate and responsible citizens, and to understand the historical developments which have resulted in an interconnected world community. Specifically, the Department helps students gain knowledge of their heritage in a world context and guides them in understanding other cultures and value systems. The program prepares students for a number of career paths and further professional development by offering a variety of courses and extracurricular opportunities.

GOALS

1. To provide in curriculum and instruction the opportunity for students to exercise and develop skills of critical analysis and writing;
2. Through curriculum and instruction, to enable students to develop an awareness of the importance of the past for its own sake and for its use in the present and future;
3. To help students distinguish good from bad history, truth from fraud, and to help them recognize the strengths and weaknesses of the efforts of history.
4. To help students understand the importance of dealing with change over time;

5. To offer students the opportunity to participate in innovative and experimental presentations in history; and
6. To prepare and advise students for professional training, careers, law or graduate school, and teaching.

Central to humanity is the impulse to find a place in time; to take account of and to deal with change. History considers the human condition and provides a basis from which to explore other disciplines. The analytical skills and subject matter learned in history produce knowledgeable reflections on culture, community, and self. Thus, a history major is ideal for students interested in a broad liberal arts education. A history major also has traditionally served to provide a basis for a number of vocations, including law, business, education, communications, and religion. It is one of the most common majors of law school applicants.

Students seeking careers in an international framework—from the diplomatic corps, to intelligence agencies, to international business—frequently major in history at the undergraduate level. History and business—particularly economics—are excellent routes to M.B.A. programs. History also provides a perspective over time to students interested in pursuing further training in religion, philosophy, language, and the history of science.

For students interested in history as a career (in museums, archives, and for governmental agencies, as well as those headed for a history M.A. or Ph.D.), a history major is indispensable. The Department offers a wide range of courses and a demanding honors program especially designed for those who wish to have a career as a research scholar/teacher at the college or university level.

Students planning on attending graduate school in history are strongly advised to take one or more foreign languages.

Honors in History

History majors will be invited to participate in departmental honors if they have a 3.3 G.P.A. in history courses and a 3.0 cumulative G.P.A.

Such a student will enroll in History 491 Honors Seminar (3). If by the end of History 491, the student has

1. submitted a proposal for a thesis, and
2. the Department has approved the proposal, and
3. progress toward completion of the project has been demonstrated, then the student will be permitted to enroll in History 497 Honors Research (3).

History honors will be earned with successful completion of the following:

1. The submission of a thesis on or before the designated deadline date. The deadline normally will be two weeks before spring graduation.
2. A successful defense of the thesis before a three person board, at least one of whom will be a faculty member of the Department of History.
3. The submission of a final copy of the approved thesis which includes:
 - a. revisions of the thesis required by the board.
 - b. a manuscript which meets the preparation rules designated by the Department of History.
4. Notification by the director of the thesis to the Department that all the above conditions have been met.

PROGRAMS OF STUDY

Major in History, 30 credits: B.A.

A standard major in history consists of 10 courses in history, with a minimum of 5 at the

300-400 levels. One Winter Term history course may be included as part of the history major.

Required Courses

Approved American History

Elective chosen from	
Hist 201 or 202	3

Approved Western Civilization

Elective chosen from	
Hist 101 or 102	3

Hist 422 Senior Seminar in History

Approved History Electives

A sample contract for the major in history could contain Hist 101, 102, 201, 202, 221, 241, 2XX, 305, 334, 356, 371, and 422.

Contract Major in History, 36-45 credits: B.A.

A contract major in history consists of 12-15 history and related courses carefully selected to meet individual needs of students. At least one-half of the courses in the contract must be history courses. A minimum of 6 courses at the 300-400 levels is required. Typical contract options are as follows: American Studies, Asian Studies, European Studies, history for pre-law, history for journalism, history for government service, history for divinity services, history for mass communications, and history for careers in business.

A sample contract for a major in history for pre-law could contain Hist 101, 102, 201, 202, 241, 305, 321, 371, and 422; and Pol 201, 211, 218, 339, and 362; and Phil 333.

Minor in History, 18 credits

Required Courses

Approved History Electives

at the 100-200 levels	9
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*Approved History Electives

at the 300-400 levels	9
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**It is suggested that Hist 422 Senior Seminar (3) be taken in this minor.*

DEPARTMENT OF POLITICS

Chairperson: Cornelius Bushoven, III

Major and Minor:

Major in Politics, B.A.

Minor in Politics

MISSION

Consistent with and supportive of the College's mission, the purpose of the Department of Politics is to develop the intellectual capacities of students in its courses so that they have a solid understanding of political realities and can utilize and develop their skills in a wide variety of career, vocational, professional, and personal settings.

Politics courses are designed to create a better understanding of people as they function in a variety of political contexts, including personal relationships, families, government, nations, and the world.

GOALS

1. To enhance the intellectual capacity of our majors and to provide them with opportunities to develop analytical, reading, listening, speaking, cooperative, writing, political, and thinking skills.
2. To gain a factual and conceptual understanding of major areas of political science.
3. To increase global awareness and to enhance appreciation of different cultures.
4. To develop empowering roles as citizens and as persons who can articulate personal opinions on political issues with increased clarity, sophistication, support, and effectiveness.

Honors in Politics

A major may, upon recommendation by the faculty of the Department of Politics, and upon certification by the Dean of the College, receive the designation "honors in politics" after successful completion of the following:

1. Achievement of a cumulative G:P.A. of 3.0 or better in all coursework, and a 3.3 or better in all coursework required for the major in politics;
2. Satisfactory completion of 6 credits of Politics 491 Honors Seminar (3) during the Fall and Spring Terms of the senior year;
3. Completion of a year-long thesis on a topic approved by the politics faculty;
4. Achievement of periodic approval for continued work on the honors thesis (see explanation below);
5. A defense of the honors thesis in a comprehensive oral examination before an examining committee which includes the faculty in politics, one faculty member outside the Department, and/or one additional outside examiner. The exam will be open to the public.

To be eligible for "honors", students enrolled in Politics 491 Honors Seminar (3) must receive continuing written approval throughout the seminar at periodic intervals. Such approval will be contingent upon sustaining an excellent level of progress on reports and draft papers. Written guidelines and evaluations will be made available to all seminar participants. Failure to receive such approval does not in any way jeopardize a student's grade or standing in the continuing work of Politics 491 Honors Seminar (3) throughout the year.

Should students complete the work in the honors seminar but not meet the minimum standards in the examination, they will not be designated as "honors" graduates.

Internships

The Department of Politics has arranged for the placement of student interns with numerous national, state, and local government offices and agencies, private agencies, law offices and business. Politics students may find the semester internship program in Washington, D.C. to be an especially attractive option. Prospective interns must meet College-wide internship requirements.

Internships allow students to explore career opportunities, clarify goals and personal values, and utilize knowledge and skills in practical work environments.

Students interns receive variable credits while enrolled in Politics 295, 395, and/or 495. Course levels and credits reflect interests, skills and the nature of the on-site experience.

PROGRAMS OF STUDY

CORE REQUIREMENTS FOR POLITICS MAJORS: 12 CREDITS

Pol 201 Introduction to American

Government 3

Pol 211 Introduction to International

Politics 3

Pol 218 Social and Political

Philosophy 3

Pol 278 Politics of Non-Western Areas 3

Major in Politics, 36 credits: B.A.

The major in politics provides effective preparation for students intending to pursue graduate studies and who anticipate careers or employment in business, interest group agencies, public and private service agencies, community agencies, legislative and administrative offices, the foreign service, journalism, teaching, law, and public relations.

Required Courses

Politics Major Core Courses	12
Approved Area of Concentration Electives chosen from two of the following areas:	18

Approved Electives chosen from the remaining area	6
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American Government and Law:

Pol 231, 305, 333, 362, 371, X90, X95, X98, or X99	
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Comparative and International Politics:

Pol 339, 342, 351, 356, 357, X90, X95, X98, or X99	
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Theory and Behavior:

Pol 266/366, 276, 323, 375, X90, X95, X98, or X99	
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***Contract Major in Politics,
36 credits: B.A.***

Contract majors in politics may be arranged between students and faculty which emphasize such interests as pre-law concentration, area studies, international studies, and women's studies. A minimum of 12 courses is required for the contract major in politics, with a minimum of 9 courses in politics.

Required Courses

Politics Major Core Courses	12
Approved Politics Electives at the 300-400 levels	18
Approved Thematic Electives at the 100-200 levels	6

***Minor in Politics,
18 credits***

Pol 201 Introduction to American Government	3
Approved Politics Electives at the 100-200 levels	6
Approved Politics Electives at the 300-400 levels	9

DEPARTMENT OF PSYCHOLOGY

Acting Chairperson: Alvin Smith

Major and Minor:

Major in Psychology, B.S. or B.A.
Specialized Program of Study in
Human Services (B.A. only)
Minor in Psychology

MISSION

The mission of the Department of Psychology is to graduate majors who possess both a breadth of knowledge in a wide range of fields in psychology, and depth in a specific area as well. Psychology majors obtain breadth by taking the introductory survey course and four core survey courses: Psy 231 Personality in Social Context (3); Psy 232 Biopsychology, Learning and Motivation (3); Psy 243 Perception and Cognition (3); and Psy 245 Behavioral Pathology and Therapy (3). Majors acquire depth by selecting appropriate electives and pursuing research and internship opportunities in consultation with faculty advisors. The Department prepares students to enter graduate school in psychology or related fields (e.g., social work), to enter professional schools (e.g., law school, medical school) or to obtain employment in a variety of fields to which they can apply the knowledge, research skills, and analytical skills learned in their major program.

GOALS

St. Andrews graduates with a major in psychology will:

1. Have a firm foundation in the theory, methodology, and research findings of key areas of psychology.
2. Be able to read the literature of psychology and to communicate effectively in written and oral reports.
3. Be prepared to compete successfully to obtain employment or to enter graduate or professional school.

Honors in Psychology

Students majoring in psychology may, upon recommendation by the program faculty and certification by the Dean of the College, receive the designation "Honors in Psychology" after successful completion of the following:

1. A cumulative G.P.A. of 3.0 or better on all coursework, and a 3.3 or better on all coursework required for the major in psychology;
2. A minimum of 6 credits of honors coursework in psychology;
3. An honors thesis or project on a topic approved by the program faculty;
4. A defense of the honors thesis or project in a comprehensive oral examination before an examining committee which includes a Department faculty member, one faculty member from outside the Department, and one additional examiner.

Internships

The clarification of educational and personal goals and values is a major objective for psychology internship students. An internship can enhance learning in the academic world and provide an opportunity to apply and test knowledge of psychology in a practical professional-world setting. Internships may be taken during any academic term and can be

arranged with a variety of institutions and agencies across the country.

PROGRAMS OF STUDY

Major in Psychology, 49 credits: B.A.

The plan of study for a psychology major is designed in consultation with an advisor selected from the psychology faculty. The major is designed to prepare students to enter graduate school in psychology or related fields (e.g. social work, business administration), to enter professional training programs (e.g. medical school, law school), or to obtain employment in a wide variety of fields following graduation. Flexibility in the specific courses which constitute the major allows students to pursue a wide range of educational and career goals.

Required Courses

Psy 201 Introduction to Psychology	3
Psy 201L Introduction to Psychology Laboratory	1
Psy 202 Research Methods in Psychology	3
Psy 202L Research Methods Laboratory	1
Psy 231 Personality in Social Context	3
Psy 232 Biopsychology, Learning, and Motivation	3
Psy 243 Perception and Cognition	3
Psy 245 Behavior Pathology and Therapy	3
Psy 345 Junior Seminar in Psychology, OR Psy 445 Senior Seminar in Psychology	1
Approved Psychology Electives chosen from Psy 430, 431, 432, 433, 434, 435, or 436	6
Approved Psychology Laboratory or Guided Independent Study/Research Elective at the 300-400 level	1

Approved Psychology Electives at the 300-400 levels	12
Approved Psychology Elective	3
Math 205 Statistics I	3
Approved Math or Computer Science Elective	3

Major in Psychology with a Specialized Program of Study in Human Services, 44-47 credits: B.A.

This major is designed to prepare individuals for a broad range of entry-level human service positions in mental health institutions, drug and alcohol abuse units, psychiatric units, homes for the mentally-retarded, correctional facilities, and human resources departments. In addition, completion of this major would prepare students for graduate programs in psychology, social work, counseling, allied health, and public health. This major has been designed mainly for students at the St. Andrews at Sandhills campus.

Required Courses

Psy 202 Research Methods in Psychology	3
Psy 231 Personality in Social Context	3
Psy 232 Biopsychology, Learning, and Motivation	3
Psy 245 Behavior Pathology and Therapy	3
Psy 303 Developmental Psychology	3
Psy 314 Counseling Psychology	3
Psy 360 Psychological Evaluation and Assessment	3
Psy 433 Personality Theory and Research	3
*Approved Electives chosen from Psy 330, 333, 335, 403, 431, 436, 495, or B/E 325 Principles of Management	9-10
Approved Psychology or Other Electives	8-10

Math 205 Statistics I or approved substitute	3
*Psy 495 Internship in Psychology (1-4) is strongly suggested	

Contract Major in Psychology, 49-55 credits: B.A.

For students whose needs are different from the standard major in psychology, a contract major may be arranged in consultation with the psychology faculty. A contract major differs from the standard psychology major in that it combines courses from psychology with related disciplines to build a major that integrates an interdisciplinary theme.

Some examples of contract majors include biopsychology, psychology and business, psychology with pre-law emphasis, psychology and religion, psychology and philosophy, psychology and communications, psychology and art, quantitative psychology, psychology and music, and others as appropriate to the interests and goals of individual students.

Required Courses

Psy 201 Introduction to Psychology	3
Psy 201L Introduction to Psychology Laboratory	1
Psy 202 Research Methods in Psychology	3
Psy 202L Research Methods in Laboratory	1
Psy 345 Junior Seminar in Psychology, OR Psy 445 Senior Seminar in Psychology	1
Approved Psychology Electives chosen from Psy 231, 232, 243, or 245	9
Approved Psychology Electives chosen from Psy 430, 431, 432, 433, 434, 435, or 436	6

Approved Psychology Laboratory or Guided Independent Study/Research Elective at the 300-400 level	1
Approved Psychology Electives at the 300-400 levels	9
Math 205 Statistics I	3
Approved Thematic Electives, with at least 9 credits at the 300-400 levels	12-18

Contract Major in Psychology, 53 credits: B.S.

The contract major in psychology leading to a bachelor of science degree is a special type of contract major designed to provide greater breadth of study in the natural sciences.

Required Courses

Psy 201 Introduction to Psychology	3
Psy 201L Introduction to Psychology Laboratory	1
Psy 202 Research Methods in Psychology	3
Psy 202L Research Methods Laboratory	1
Psy 345 Junior Seminar in Psychology, OR Psy 445 Senior Seminar in Psychology	1
Approved Psychology Electives chosen from Psy 231, 232, 243, or 245	9
Approved Psychology Electives chosen from Psy 430, 431, 432, 433, 434, 435, or 436	6
Approved Psychology Laboratory or Guided Independent Study/Research Elective at the 300-400 level	1
Approved Psychology Electives at the 300-400 levels	9

*Approved Area of Concentration
Electives chosen from **two** of the
following areas:
Biology, Chemistry, and Physics

Approved Math and/or Computer Science Elective	3
<i>*The 16 total credits must include 2 laboratory credits.</i>	

Minor in Psychology, 19 credits

Required Courses

Psy 201 Introduction to Psychology	3
Psy 201L Introduction to Psychology Laboratory	1
Approved Psychology Elective chosen from Psy 231, 232, 243, or 245	6
Approved Psychology Electives at the 300-400 levels	9

ENVIRONMENTAL STUDIES

Coordinator: Michael Fletcher

Minor:

Minor in Environmental Studies

MISSION

The purpose of the environmental studies minor is to offer students an interdisciplinary program which integrates perspectives and methods from the natural science, social science, and humanities, in order to define and understand environmental problems, with the expectation that students will be better prepared to develop solutions to these problems.

GOALS

1. To provide a global perspective on environmental issues;
2. To stimulate critical thinking about environmental issues;
3. To foster interdisciplinary problem-solving and responsible decision-making with respect to environmental issues;
4. To provide students with a valuable minor, one to combine with a strong disciplinary major in order for students to have a sufficient background to pursue a career or graduate study in an environmentally-focused field;
5. To prepare students to carry an informed understanding of environmental issues into any career or advanced study that might be chosen.

PROGRAM OF STUDY

The minor in environmental studies requires a minimum of 25 credits: four core courses and four elective courses. In addition to the courses listed below, selected Winter Term courses and selected internships chosen either from environmental studies discipline or from other disciplines may be included in

this minor when they directly address issues of the environment. Approval for acceptance of these courses must be granted by the Director of the Environmental Studies Program.

A maximum of two courses (6-8 credits) from a student's major may count toward this minor, with the approval of the Director of the Environmental Studies Program.

CORE COURSES FOR ENVIRONMENTAL STUDIES MINORS: 13 CREDITS

Required Courses

Env Sci 161 Environments: A User's Guide	4
Env Stud 202 Introduction to Environmental Studies	3
Env Sci 325 Physical Geography	3
Phil 246 Environmental Philosophy	3

Minor in Environmental Studies, 25 credits

Minor in Environmental Studies Core Courses	13
Approved Electives chosen from	12
Anth 306 Ethnology (3)	
Anth 309 Contemporary Social Problems (3)	
Bio 307 Ecology (4)	
B/E 366 Economic Development and Multinational Corporations (3)	
Chem 150 Chemistry: Observation and Measurement (3)	
Geo 201 World Geography I: Western Hemisphere (3)	
Geo 202 World Geography II: Eastern Hemisphere (3)	
Hist 202 American Civilization II (3), OR Pol 201 Introduction to American Government (3)	
Psy 231 Personality in Social Context (3)	
Psy 335 Organizational Behavior (3)	
*RS 410 Religion and the Contemporary World (3)	

**RS 410 may be selected only when they directly address issues of environmental studies, and only by approval of the Director of Environmental Studies.*

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Course Descriptions

ANTHROPOLOGY

205 Archaeology (3 credits)

An introduction to archaeological theory and methods and how these have advanced our understanding of past world cultures. North Carolina prehistory is emphasized through field trips and participation in archaeological research.

208 Introduction to Physical Anthropology (3 credits)

The study of human evolution and the variation in modern humans, including the fossil record, evolutionary processes, and the development and dispersal of humankind.

209 Introduction to Cultural and Social Anthropology (3 credits)

This course introduces beginning students to social and cultural anthropology and to some of its major concepts, methods and findings. Included are anthropological perspectives on the human experience and anthropological approaches to research and analysis of human groups, including economics, technology, politics, ideology, art, language, as well as their interrelationships.

306 Ethnology (3 credits)

This course begins with a brief survey of topics and approaches of cultural anthropologists: their questions, their methods, and their cross-cultural comparisons. It focuses on culture, traditions, and the pervasive processes of change which are applicable to the study of all societies, including environment and ecology, the regulation of membership, symbolic messages and rituals, cultural transmission, and control of behavior. The course focuses on questions rather than answers, for students should find things out for themselves in an active way rather than passively through absorbing abstract knowledge. The latter part of the course involves students in identifying and researching a topic of interest in the St. Andrews or Laurinburg communities.

309 Contemporary Social Problems (3 credits)

A study of the explanations for social change and the ways divergent values create social problems in complex societies. The major areas of tension within

which contemporary problems arise are considered: such as the problems of cities, population and environmental problems, wealth and power in the corporate state, the family, health care, aging, and race and ethnic relations. This course is for students in the social sciences who desire a practical emphasis to their disciplinary training.

421 Anthropological Theory (3 credits)

An upper-division course which examines theories about the nature of human societies, their cultures and peoples, the attitudes toward conflict (harmony or tragedy), knowledge, and action. A variety of viewpoints from anthropologists and sociologists is studied.

190, 290, 390, 490 Special Studies in Anthropology (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Anthropology (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Anthropology (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Anthropology (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a G.I.S. should contact the faculty member to in-

quire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

ART

Selected studio art courses carry a lab fee.

111 Introduction to the Visual Arts (3 credits)

A foundation course for non-majors, to develop understanding and appreciation of the visual arts. Unlike Art History courses, this course is not presented as a chronological survey. Lecture, discussion, slide presentations.

122 Drawing I (3 credits)

An introduction to fundamental drawing problems, stressing line, marks and space using a variety of media. Required for majors.

145 Design I (3 credits)

An introduction to the fundamental elements and principles of design (line, color, texture, value, unity, balance, rhythm, etc.) as these are related to the two-dimensional arts (drawing, painting, and graphic design). A flexible and combined lecture and studio format introduces the student to general design concepts through specific problems and projects in a variety of media. With Art 122, this course serves as a foundation for further and more advanced work in the visual arts. Open to freshmen and non-majors.

207 Printmaking I (3 credits)

An introduction to traditional techniques of relief, intaglio, and screen process printing. Prerequisite: Art 122 or permission of instructor.

211 Painting I (3 credits)

An introduction to the fundamental techniques and materials of painting: supports and grounds, pigments, underpainting, glazing, stippling, scumbling, and *alla prima* processes. The course is taught in oils and in acrylics in alternate years. Prerequisites: Art 122 and/or Art 145, or permission of instructor.

213 Aesthetics (3 credits)

A study of the philosophy of the fine arts. The course will examine such issues as what standard, if any, we use when we judge something beautiful, whether beauty and truth are related, whether the same standards of criticism apply to all the arts, and what happens when we come to appreciate a work of art.

222 Drawing II (3 credits)

A continuation and expansion of Art 122 with additional emphasis on compositional problems. Prerequisite: Art 122.

224 Sculpture I (3 credits)

A course to develop, through studio problems, an awareness of the expressive potential of three-dimensional forms. Basic modeling, assemblage, and casting techniques.

245 Design II (3 credits)

An introduction to the fundamental elements and principles of design (line, color, texture, value, unity, balance, rhythm, etc.) as these are related to the three-dimensional arts. A lecture and studio format introduces the student to general design concepts. Students will explore a wide variety of three-dimensional media through specific problems and projects. This course serves as a foundation for further and more advanced work in the three-dimensional arts. Open to freshmen and non-majors.

261 Art History Survey I (3 credits)

A study of the sociological, technical, and aesthetic implications of the visual arts produced in their changing historical contexts, from the Paleolithic to the Medieval periods.

262 Art History Survey II (3 credits)

A study of the sociological, technical, and aesthetic implications of the visual arts produced in their changing historical contexts, from the early Renaissance to Impressionism.

271 Computer Graphics I (3 credits)

An introduction to the important contemporary electronic medium of computer graphics. PC-based and Macintosh hardware and software packages are used to produce visual imagery for both fine and commercial art purposes. A rudimentary introduction to animation is included. Some previous computer exposure is helpful, though no programming is involved. (More advanced work is available in Art 380/480). Prerequisite: Art 145 or permission of instructor.

307 Printmaking II (3 credits)

Traditional and contemporary processes of relief, intaglio, screen, and mixed media printing in both black and white and color. Prerequisite: Art 207 or permission of instructor (Subsequent and more advanced work is available in Art 380/480).

311 Painting II (3 credits)

A continuation and expansion of Art 211. Prerequisite: Art 211.

321 Art in the Elementary School

(3 credits)

A study of the art produced during the successive developmental stages of childhood and early adolescence as a revelation of the total child. An exami-

nation of the play impulse as the basis of the creative process, and its relevance and importance for elementary education. A survey of the materials and methods best suited to the expressive needs of the stages of childhood. Readings, lectures, films, and studio sessions are combined with actual projects conducted in local elementary school classrooms.

324 Sculpture II (3 credits)

Further exploration of three-dimensionality using a variety of materials and techniques. Modeling, assemblage, carving. Prerequisite: Art 224. Six studio hours. (More advanced work is available in Art 380/480.)

347 Comparative Art Forms: East and West (3 credits)

A comparative study of two ways of knowing as they are revealed through the visual languages of cultures in the East and West. Images of nature, images of God, and images of humanity, as well as basic architectural forms of the different cultures are studied as reflections of profoundly different Oriental and Western realities.

360 Seminar in Modern Art (3 credits)

An investigation of the art of the 20th century. The study of art criticism will be integral to the chronological analysis of art created during this period. Prerequisite: Art 111, Art 261, or Art 262.

371 Computer Graphics II (3 credits)

Advanced study of computer graphics with a continuation of the work begun in Art 271 and with an emphasis on mastery of solid modeling and animation techniques. Prerequisite: Art 271 or permission of instructor.

380/480 Advanced Studies in Art (3 credits)

This course will be a coordinated seminar of independent projects dealing with advanced problems in various media. Specific objectives and responsibilities will be student-formulated at the beginning of the course and pursued within the framework of the elected medium. Prerequisites: both levels of the medium chosen plus instructor's approval.

Sections:

- A. Drawing
- B. Printmaking
- C. Painting
- D. Sculpture
- E. Art History
- F. Computer Graphics

422 Figure Drawing (3 credits)

A study of the human figure from a live model.

453 Senior Portfolio (3 credits)

Includes senior exhibition and slide portfolio, résumé, and final exit interview. Required of senior art majors.

190, 290, 390, 490 Special Studies in Art (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Art (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Art (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Art (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

ASIAN STUDIES

101 Introduction to Asia (3 credits)

The civilizations of India, China, and Japan are presented in historical perspective. Korea, selected cultures of Southeast Asia, and the Islamic world are also included. The course is not designed as an attempt at a comprehensive survey, but rather as a series of more intensive investigations into a selected

number of interrelated themes, ideas, and developments in Asia. The first term will be devoted to the traditional period and will include studies of artistic, religious, literary, philosophical, and political achievements and challenges. Original texts, guest speakers, and multimedia materials will be utilized whenever possible.

102 Introduction to Asia (3 credits)

A continuation of AS 101. The second term will examine the modern period, from Western contacts to the present, emphasizing the same interdisciplinary perspectives. Original texts, guest speakers, and multimedia materials will be utilized whenever possible.

190, 290, 390, 490 Special Studies in Asian Studies (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

295, 395, 495 Internships in Asian Studies (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Asian Studies (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

299, 399, 499 Guided independent Studies in Asian Studies (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

BIOLOGY

207 Human Anatomy and Physiology (4 credits)

An introduction to human biology covering anatomical structure and function of various systems: skeletal, muscular, integumentary, digestive, endocrine, nervous, urinary and reproductive. This course does not count towards the biology major. It is intended for physical education and allied health students. Three hours of laboratory and three hours of lecture per week.

211 Concepts in Biology I (4 credits)

A concept-oriented course in biology that deals with the evolution, function, and form of life through the cell level of biological organization. Three hours of laboratory and three hours of lecture per week.

212 Concepts in Biology II (4 credits)

An investigation of the genesis of diverse forms and functions in living organisms; interactions among plants and animals and their environments will also be studied. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 211 or permission of instructor.

307 Ecology (4 credits)

A survey of the basic concepts, principles and methods of ecology; the subdiscipline of biology dealing with organisms, their interactions with the physical environment and other organisms, and the results of such interactions over time. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 212 or permission of instructor.

327 Genetics (4 credits)

This study of heredity deals with the transmission of traits between generations (Mendelian genetics), the study of molecular structure and function of the genes (molecular genetics), and the study of variation of gene frequencies between and within populations (population genetics). Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 211 or permission of instructor.

333 Plant Tissue Culture (2 credits)

An introduction to the basic principles and practices of plant tissue culture. Extensive laboratory work required. Lecture and laboratory combined: three hours. Prerequisite: Bio 212 or permission of instructor.

335 Vascular Plants (4 credits)

A systematic survey of the divisions of the vascular plants with an emphasis on extant groups. Major emphasis is on morphological, anatomical, cytologi-

cal, ecological, and reproductive diversity. Major evolutionary trends and economic importance will also be addressed. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 212 or permission of instructor.

343 Mycology (4 credits)

A comprehensive systematic survey of the Fungi and fungal-like *Protista* with an emphasis on structural and functional diversity. The profound evolutionary, ecological and economic significance of these organisms will also be investigated. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 212 or permission of instructor.

344 Phycology and Aquatic Ecology (4 credits)

A comprehensive systematic survey of those organisms traditionally classified as *Algae* with an emphasis on structural and functional diversity. Algal evolution and ecology will be used as an introduction to the subject of aquatic ecology. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 212 or permission of instructor.

345 Human Structure and Function (4 credits)

An advanced study of human physiology and anatomy for those students with a strong introductory understanding of molecular, cellular, tissue, and organ levels of function. A systems approach with strong emphasis on normal structure and function and an introduction to disease, abnormality, and pathology will be provided. Laboratories will devote equal time to structure and function. Anatomical studies will focus primarily on dissection of a surrogate mammalian model with reference to relevant human structures. Physiological studies will illustrate normal human function using the student as the model organism. Three hours of laboratory and three hours of lecture per week. Prerequisites: Bio 207 or Bio 212, and Chem 201; or permission of instructor.

346 Developmental Biology (4 credits)

A comparison of development, both within and between, the following biological groups: invertebrates (especially insects), vertebrates, and plants. This course will explore the evolution of developmental programs and patterns. Emphasis will be placed on the molecular mechanisms underlying biological development. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 327, or permission of instructor.

347 Laboratory In Molecular Biology (4 credits)

During this course students will take a hands-on approach to molecular biology, a body of techniques with increasing impact on our society. Although we will concentrate on experiments and laboratory techniques, students will also learn about the biological basis of their work. Additionally, we will look at current examples of how biotechnology is changing how we eat, how we cure disease, and even how we capture criminals. Three hours of laboratory and three hours of lecture per week. Prerequisites: Bio 327, Chem 201, and Chem 206; or permission of instructor.

353 Vertebrate Zoology (4 credits)

A systematic study of vertebrates with emphasis on evolution, physiology, behavior, and ecology. The laboratory is devoted to systematic, field, and experimental studies. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 212 or permission of instructor.

355 Animal Behavior (4 credits)

The modern discipline of animal behavior as a synthesis of ethology, comparative psychology, and population ecology will be studied. The ecological and evolutionary aspects of topics such as reproductive behavior, territoriality, and predator-prey interactions will be considered. An introduction to sociobiology will also be provided. Labs will involve both experiments and field observations. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 212 or permission of instructor.

365 Microbiology (4 credits)

Microbiology is the study of unicellular microscopic organisms. This course will deal with microorganisms and their activities. It is concerned with their form, structure, reproduction, physiology, metabolism, and identification. This course also includes the study of their distribution in nature, their relationship to each other and to other living organisms, their beneficial and detrimental effects on human beings, and the physical and chemical changes they make in their environment. Three hours of laboratory and three hours of lecture per week. Prerequisite: Bio 212; or permission of instructor.

441 Molecular Cell Biology (4 credits)

Molecular cell biology is an in-depth investigation of the fundamental unit of life: the cell. To study cell biology, we will follow two main themes: evolution, and molecular mechanisms. For example, we will explore how natural selection could lead from inor-

ganic precursors to the first prokaryotic cells, which in turn gave rise to eukaryotic cells. Also, in addition to describing cellular components and their functions, we will look at how these components carry out their functions at the molecular level. Throughout the course, we will develop a strong sense of the ways in which all cells are similar and an appreciation of the diversity of which cells are capable. Three hours of laboratory and three hours of lecture per week. Prerequisites: Bio 327, Chem 201, and Chem 206; or permission of instructor. *A Chemistry course at the 300-level or above is also highly recommended.*

443 Environmental and Ecological Physiology (4 credits)

A study of comparative animal physiology emphasizing the adaptive ecological variations. Responses to normal and to human-generated environmental changes will be explored. Laboratories will focus on adaptive mechanisms in wild animals in laboratory and natural environments. Three hours of laboratory and three hours of lecture per week. Prerequisites: Bio 307, or Bio 353; or permission of instructor.

497 Honors Research (2-4 credits)

190, 290, 390, 490 Special Studies in Biology (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Biology (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

398, 498 Research/Teaching Practicum in Biology (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Also as a teaching practicum, these courses are excellent opportunities to prepare for such standardized tests as the MCAT, VAT, DAT, and GRE. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Biology (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

BUSINESS AND ECONOMICS

120 Introduction to Business and Economics (3 credits)

An introduction to the functional areas in business, including management, marketing, accounting, and finance. Included is a study of the business firm's social, political, and economic environments and of the firm's interdependence on and responsibility to society.

209 Principles of Accounting I (3 credits)

An introduction to financial accounting. The study of the basic accounting equation, transaction analysis and financial statements. Emphasis is on understanding basic concepts and the logic of accounting principles and their application to specific accounting problems. Prerequisite: Sophomore standing, or permission of instructor.

210 Principles of Accounting II (3 credits)

An introductory study of managerial accounting with an emphasis on interpretation and application of accounting data. The course stresses the "attention-directing" and problem-solving functions of accounting in relation to planning and control, evaluation of performance, analysis, and decision-making. Prerequisite: B/E 209.

231 Microeconomics (3 credits)

A survey of microeconomic theory. The theory of the pricing and allocation of resources will be applied to current issues.

232 Macroeconomics (3 credits)

A survey of macroeconomic theory including discussions of unemployment, inflation, and other current issues. It is recommended that B/E 231 be taken before B/E 232.

245 Personal Finance (3 credits)

An introduction to economic and social developments that continue to influence the personal financial planning environment. Spending, saving, borrowing, and investing decisions are investigated in light of these changing environments.

302 Economic Philosophy: The Development of Economic Thought (3 credits)

A survey of the development of economic analysis from Mercantilism to the post Keynesian era. Emphasis will be placed on Smith, Ricardo, and the British Classical School—Jevons and Marshall—and on the development of Marginalism; on Austrian Capital Theory; and on the Neoclassical theory of money, interest, and prices. Prerequisites: B/E 231 and B/E 232, or permission of instructor.

304 Principles of Finance (3 credits)

A consideration of how to manage the financing of a firm. Risk, capital budgeting, long-term financing, and short-period investing and financing decisions as well as techniques are explored. Prerequisites: B/E 231 or B/E 232, B/E 209, and Math 205, or permission of instructor.

306 Money, Banking and Financial Institutions (3 credits)

A study of institutions of money, banking, and credit; monetary expansion and contraction; public policies affecting this process; development of the U.S. money and banking system; and commercial bank management. Prerequisite: B/E 232, or permission of instructor.

308 International Trade and International Financial Management (3 credits)

A study of international trade, including the gains from trade, the use of tariffs and quotas, the international monetary system, and the problems associated with exchange rates and balance payments. Managerial use of spot and forward exchange markets, as well as the international aspects of short-term and long-term investing and financing decisions is included. Prerequisites: B/E 231 or 232, and B/E 304, or permission of instructor.

309 Intermediate Accounting I (3 credits)

Covers theoretical foundations, the accounting process, income determination, preparation of financial statements, and accounting for current assets. Emphasis is placed on theoretical arguments supporting current accounting practice and alternatives. Prerequisite: Successful completion of B/E 210 with a minimum G.P.A. of 2.0, or permission of instructor.

310 Intermediate Accounting II (3 credits)

A continuation of B/E 309 covering the theory and practice of accounting for plant assets, liabilities, and owner's equity. Prerequisite: B/E 309.

311 Intermediate Accounting III (3 credits)

A continuation of B/E 310 covering the theory and practice of accounting for pensions, leases, income taxes, and changes in price levels. Prerequisite: B/E 310.

312 Principles of Marketing (3 credits)

A functional analysis of marketing and its importance as an economic activity. Topics covered include: demographic analysis, product development, pricing, distribution, and promotion. Additional managerial orientation is provided through case studies and decision-making practice. Prerequisite: B/E 231, or permission of instructor.

315 Business Law (3 credits)

A "nuts and bolts" study of the principles of law which create, define, and regulate the rights and liabilities of persons taking part in business transactions. Areas covered include contracts, agency relationships, commercial paper, sales, and bankruptcy.

319 Intermediate Microeconomics: Theory and Applications (3 credits)

A study of the theory of the firm, its behavior, behavior of consumers, and management decision-making. Specifically, the course will focus on price and output decisions, rational economic choices of consumers, economics of technological change, production efficiency and costs, competitive behavior, and adjustments of markets to new conditions. Prerequisite: B/E 231, or permission of instructor.

325 Principles of Management (3 credits)

An introduction to the basic theories and practices within the management profession. Areas stressed are human relations, organizations and their structure, and delegation of authority. Prerequisites: B/E 231 and B/E 209, or permission of instructor.

333 Advertising and Promotional Strategy (3 credits)

An examination of the strategic application of two of the most important activities to marketing managers in the communication of product information to clients and consumers. Marketing campaigns, media selection, use of trade shows, product research, and effectiveness determination will be studied in

concentrated team efforts. Prerequisite: B/E 312, or permission of instructor.

345 Environmental Economics and Policy Analysis (3 credits)

An analysis of current environmental policy from an economic perspective. This course will explore the economic origins of many environmental problems and the merits of alternative public policy instruments. Specific environmental problems which will be addressed include: acid rain, global warming, fisheries depletion, temperate and tropical deforestation, ozone depletion, pollution of the aquatic ecosystems, and species extinction. Prerequisite: B/E 231, or permission of instructor.

355 Organizational Behavior (3 credits)

Integrates the study of social psychology and management and applies knowledge from these areas to understand behavior of individuals working together in groups. Topics include leadership and power, group decision-making, communication, conflict resolution, motivation, and group socialization and development. Using lecture, discussion, case study, and simulation methods, the course will encourage students to apply principles to specific organizations. Prerequisite: One course in Psychology, B/E 120, or B/E 325.

362 Investments and Portfolio Analysis (3 credits)

A study of stocks, bonds, and other investments, as well as security markets in general. Capital market theory is used to analyze portfolio management and investment strategy. The course examines the art as well as the science of investing. Prerequisites: B/E 304, or permission of instructor.

363 Intermediate Macroeconomics: Theory, Business Cycles, Forecasting (3 credits)

A study of the empirical patterns of the business cycle and long-run growth, the macro theory to analyze them, and methods of forecasting at the economy, industry, and company levels. Prerequisite: B/E 232, or permission of instructor.

364 Quantitative Methods for Business and Economics (3 credits)

This course will introduce the student to many of the more important mathematical approaches and specialized techniques which can be used in the analysis of basic business problems requiring quantitative decisions. The aim is to develop an understanding of problem-solving methods based upon a

careful discussion of problem formulation, mathematical analysis, and solution procedure, utilizing numerous examples. Prerequisites: B/E 231, B/E 209, and Math 205; or permission of instructor.

366 Economic Development and Multinational Corporations (3 credits)

Analysis of the economic growth process and the forces inhibiting growth in underdeveloped countries. Includes discussion of the theories of growth, foreign aid and investment, self-help, innovation and technology, and development planning. Case studies will focus on the positive and negative roles of multinational enterprises in the development process. Prerequisites: B/E 231 and B/E 232, or permission of instructor.

371 Cost Accounting (3 credits)

The application of cost analysis to manufacturing and distribution problems. The recording of manufacturing costs for both the assembly and the continuous process types of industry. Analysis of the behavior characteristics of business costs, and a study of principles involved in standard costs systems. Prerequisite: B/E 210.

372 Auditing (3 credits)

Professional and practical auditing theory. Review of internal control, audit procedures, and development of audit programs for various types of business within the framework of auditor's professional and ethical standards. Prerequisites: B/E 309 and Math 205.

373 Human Resources Management (3 credits)

This course will focus on human resources, employment procedures, and personnel administration. Topics to be covered include: analysis of personnel programs and policies; communications and practices in relationship to the effect upon productivity, organizational effectiveness and the satisfaction of personal objectives; and the recruiting, interviewing, developing, and maintaining of an effective and satisfied work force. Prerequisite: B/E 325, or permission of instructor.

374 Entrepreneurship (3 credits)

A study of the methods used to determine the feasibility of successfully establishing a business in a specific industry or market. Financial, marketing, organizational, competitive, governmental, and demand factors will be analyzed. Each student will develop a business plan and a feasibility study for a new venture. Prerequisites: B/E 312 and B/E 325, or permission of instructor.

376 Sales Management (3 credits)

This course will stress the fundamentals of selling practices and examine the major issues encountered by a sales manager in a complex business environment. Areas of focus include interviewing, hiring, training, motivation and performance measurement of sales personnel. Case studies, role playing, and team actions will be stressed. Prerequisites: B/E 312 and B/E 325, or permission of instructor.

419 International Marketing (3 credits)

A comprehensive cultural and strategic approach to international marketing. Topics covered include: analyzing environmental and cultural uniqueness among nations; effects of geography and political and economic changes on marketing activities; marketing global brands; and global trade agreements. The traditional marketing topics of target marketing, the four "P's", developing brand awareness, buyer behavior, and international distribution will be covered from an international perspective. Prerequisite: B/E 312, or permission of instructor.

442 Senior Policy and Strategy Seminar (3 credits)

The combination and integration of business and economic principles in sophisticated analysis applied to case histories of a variety of firms and institutions. Includes a study of the formulation of organizational strategy. Emphasis will be on problem solving, analysis, and decision-making. Prerequisites: senior standing and B/E 209, B/E 210, B/E 231, B/E 232, B/E 304, B/E 312, B/E 325, Math 205, and CIS 101.

446 Marketing Management (3 credits)

Application of marketing principles and case analysis to solving complex marketing problems. Managerial areas include product management, pricing strategies, promotion, and distribution management. Prerequisites: B/E 312 and B/E 325, or permission of instructor.

463 Marketing Research Management (3 credits)

A study of the importance of marketing research in the marketing management environment. Formulation of research objectives, types of data, sampling, data analysis, and application of research to specific marketing situations will be covered through lecture and group project formats. Prerequisites: B/E 312, B/E 325, and Math 205; or permission of instructor.

471 Production and Operations Management (3 credits)

The management process applied to the design and operation of a production system, with production as a function of the business rather than as strictly a manufacturing activity. Topics include the planning, organizing, and controlling functions of management; forecasting, facility location, and layout; job design and scheduling; quality control and inventory control. Prerequisite: B/E 325, or permission of instructor.

472 International Business Management (3 credits)

The primary purpose of this course is to investigate the economic and business issues encountered in managing the global firm. These issues include: defining a global competitive strategy; translating a global strategy into local action; understanding the economic environment; market entry and participation policies; alliances, mergers, and acquisitions; role of top management; and organization, system, and people policies. Management theories and principles appropriate to the global firm will be identified and illustrated in terms of the problems and issues studied. Prerequisite: B/E 325, or permission of instructor.

190, 290, 390, 490 Special Studies in Business and Economics (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

395, 495 Internships in Business and Economics (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; relevant background courses; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Business and Economics (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided**Independent Studies in Business and Economics (1-4 credits)**

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

CHEMISTRY

150 Chemistry: Observation and Measurement (3 credits)

An introduction to chemistry intended for students with relatively little previous experience with the field, or who feel the need to improve basic chemical and mathematical skills before undertaking Chemistry 201-206. The use of mathematics to model nature with emphasis on practical mastery of basic scientific reasoning: atoms, molecules and moles, and their appearance and behavior in nature. Three hours of lecture per week.

150L Chemistry: Observation and Measurement Laboratory (1 credit)

A companion laboratory course for Chem 150. Basic laboratory procedures and measurement techniques are introduced in a series of laboratory exercises and experiments. Three hours of laboratory per week.

201 Structure and Reactivity (General Chemistry i) (3 credits)

An introduction to the basic concepts of chemical bonding and structure with emphasis on elements, periodicity, compounds, atomic and molecular structures. The microscopic view of chemistry and chemical reactivity. Three hours of lecture per week. Prerequisite: Math 115 or equivalent.

201L Structure and Reactivity Laboratory (1 credit)

A laboratory experience designed to complement the Structure and Reactivity lecture course. Emphasis is on quantitative as well as qualitative methodology. Experiments are chosen to illustrate concepts from the lecture. Three hours of laboratory per week.

206 Equilibria (General Chemistry II) (3 credits)

A treatment of inorganic and organic reactions with emphasis on equilibrium calculations and applications to analytical chemistry. The macroscopic view of chemistry and chemical properties. Three hours

of lecture per week. Prerequisite: Chem 201.

206L Equilibria Laboratory (1 credit)

A companion laboratory for the Equilibria lecture. Experiments examining chemical equilibrium, reaction rates and acid/base chemistry will be performed. Three hours of laboratory per week. Prerequisite: Chem 201 and Chem 201L.

311 Introductory Organic Chemistry I (3 credits)

An introductory treatment of organic reactions with emphasis on structure-activity correlations. Three hours of lecture per week. Prerequisite: Chem 206.

311L Introductory Organic Chemistry I Laboratory (1 credit)

Students will apply a selection of separation and analysis techniques to problems of resolving mixtures of organic molecules. In some cases the techniques will be used to obtain data that illustrate conclusions about the effects of structure on reactivity of organic molecules. The Chemistry emphasized will be that of aliphatic halides, alcohols and of alkenes. Four hours of laboratory per week. Prerequisites: Chem 206 and Chem 206L. Co-requisite: Chem 311.

312 Introductory Organic Chemistry II (3 credits)

An integral continuation of Chem 311, using reactions and concepts to build the chemistry of aromatic systems and of carbonyl-containing molecules. Three hours of lecture per week. Prerequisites: Chem 311.

312L Introductory Organic Chemistry II Laboratory (1 credit)

Using and expanding on techniques learned in Chem 311L, students will explore in the laboratory the chemistry of aromatic rings and carbonyl-containing molecules. Students will first be introduced to the elements of structure determination using spectroscopic techniques. They will then pursue a selection of synthesis and isolation experiments emphasizing benzene ring and carbonyl chemistry, verifying product identity using both standard and spectroscopic methods. Finally, those techniques will be used to identify an unknown. Four hours of laboratory per week. Prerequisite: Chem 311L. Co-requisite: Chem 312.

315 Analytical Chemistry (4 credits)

Mastering laboratory and instrumental techniques to obtain reliable quantitative measurements of chemical systems; the "how" and "why" of designing experimental approaches to break free of laboratory manuals. How analyses and instruments work, and how to get the most out of them. Three hours of lec-

ture and three hours of laboratory per week. Prerequisites: Chem 206 and Chem 206L.

319 Physical Biochemistry (3 credits)

The basic principles of chemical thermodynamics and kinetics are developed as applicable to biochemical systems. The course is specifically designed to cover the essential physical chemistry important to biochemistry with a minimum knowledge of calculus. Three hours of lecture per week. Prerequisite: Chem 312. Co-requisite: Math 221.

361 Intermediate Organic Chemistry (3 credits)

A return to selected topics of the introductory organic course. Particular attention will be paid to deepening the understanding of bonding in organic molecules and to a more detailed consideration of the effects of structure on organic reaction mechanisms. Three hours of lecture per week. Prerequisite: Chem 312.

361L Qualitative Organic Analysis (1 credit)

The work in this laboratory will build on and expand the skills learned in the introductory organic laboratories with particular attention to the resolution of mixtures and the identification of unknowns using both spectroscopic and wet chemical techniques. Four hours of laboratory per week. Prerequisite: Chem 312L.

401 Thermodynamics and Kinetics (3 credits)

Elementary thermodynamics and kinetics are approached through a study of energy and entropy changes for macroscopic phenomena, rate laws, and reaction mechanisms. Three hours of lecture per week. Prerequisites: Chem 206, and Phys 201 or Phys 211. Co-requisite: Math 222.

404 Biochemistry (3 credits)

A study of biologically fundamental monomers, polymers and molecular aggregates emphasizing the structure and function of proteins. Prerequisite: Chem 312.

404L Selected Topics in Experimental Biochemistry (1 credit)

In this laboratory the student will apply some familiar chemical techniques and acquire more specialized techniques in carrying out experiments with what are generally considered "biochemicals": amino acids, lipids, peptides, and proteins. Four hours of laboratory per week. Prerequisite: Chem 312L or Chem 315. Co-requisite: Chem 404.

405 Quantum Mechanics (3 credits)

An introduction to the fundamentals of quantum mechanics, examining wave functions, wave equations, operators, representations and perturbation theory. Three hours of lecture per week. Prerequisite: Math 222. Co-requisite: Math 310 or Math 340. Offered on demand.

447 Bonding and Structural

Inorganic Chemistry (3 credits)

The quantitative aspects of theories of bonding and structure are introduced, including elementary quantum mechanics. Theoretical and practical aspects of spectroscopy as related to bonding and structure are explored. A more sophisticated treatment of chemical periodicity, bonding in solids, organometallics, transition metals, acid-base reactivities, and electrochemistry is developed. Three hours of lecture per week. Prerequisites: Chem 206, Math 222, and Phys 212 or Phys 202.

449 Physical Chemistry Techniques (3 credits)

The use of instruments to investigate the physico-chemical properties of chemical systems will be studied both theoretically and in the laboratory. Experiments illustrating thermodynamic and kinetic principles will be performed. The relationship of physical chemical theory and practice will be developed. Two hours of lecture and three hours of laboratory per week. Prerequisites: Chem 315, Chem 319, or Chem 401. Offered on demand.

461 Advanced Organic Chemistry (3 credits)

The topics for consideration in this course include selected cases in the synthesis, biosynthesis and structure determination of natural products. Although some classics will be considered, most attention will be paid to the techniques of modern organic chemistry. Three hours of lecture per week. Prerequisites: Chem 361 alone or Chem 312 and permission of the instructor. Offered on demand.

461L Organic Synthesis (1 credit)

The student will have the opportunity in this laboratory to gain experience with more advanced synthesis techniques than those encountered in the introductory labs. Transformations learned in lecture will take on new meaning within a more sophisticated laboratory context. Four hours of laboratory per week. Prerequisite: Chem 361L alone or Chem 312L and permission of the instructor. Offered on demand.

497 Honors Research in Chemistry (2-4 credits)**190, 290, 390, 490 Special Studies in Chemistry (1-4 credits)**

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Chemistry (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Chemistry (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Chemistry (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, some of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

COMMUNICATIONS

103 Speech Communications (3 credits)

This basic communications course combines communications theory and public speaking. Course focuses on how to structure and present public presentations within the context of the dynamic process of speech communications.

181 Production Experience (1 credit)

Practical applications and extension of theory and technique covered in communications courses in performance and production. Experiences may range from acting to stage management to crew or technical work.

182 Production Experience (1 credit)

Practical applications and extension of theory and technique covered in communications courses in performance and production. Experiences may range from acting to stage management to crew or technical work.

183 Publication Production (1 credit)

A practical experience in the publication production of the newspaper or yearbook, including basic layout design and copy writing. Students will learn the necessary skills for copy writing and designing a publication, while producing *The Lance* or *The Lamp and Shield* for the St. Andrews community. During this experience, students will gain an understanding of journalism and graphic design.

231/331 Mass Culture in Modern U.S. (3 credits)

This course studies the development of a mass culture, including such developments as radio, movies, television, consumer products, popular music, and sports, from the late 19th and early 20th centuries to the present. This course is a critical examination of how the mass culture has shaped and been shaped by 20th century American society.

230 Mass Communications (3 credits)

An introduction to contemporary theories of mass communications, this course offers an examination of print and electronic media in relation to society. Special attention is given to the evolution of mass media and to such issues as freedom of the press, censorship, and government regulations. In addition, the course encourages students to develop their own critical framework for intelligent consumption of mass mediated fare.

245/345 Oral Interpretation (3 credits)

Oral interpretation of poetry, prose and dramatic literature. Class will emphasize analysis and performance with special attention to voice and diction.

333 Journalism (3 credits)

A practical and theoretical study in writing and editing for newspapers and magazines, including examination of problems in editing for radio and television. The course will stress skills in identification of major 20th century figures and events, spelling, and map study, as well as journalistic forms. Prerequisite: typing ability and permission of the instructor. Seniors will have preference.

339 Public Relations (3 credits)

A practical exploration of the practice of public re-

lations stressing writing for public relations. Course will focus on the relationship between public relations theory and practice including development of an information campaign. Prerequisite: Comm 230.

340 Video Production (3 credits)

A survey of video production techniques, including camera operation and writing for video and television. Students participate in television production and gain an understanding of both technological and artistic aspects of the medium.

341 Philosophical Issues in Mass Communications (3 credits)

An investigation of the impact of electronic communications on our thought processes. Attention will be paid to recent historical shifts in the way we think about nature, personal relationships, vocation, social conformity, and moral value; to the connection between technological developments in media and "postmodernism;" and to the future impact instantaneousness is likely to have on our awareness and on our social configurations.

342 Advanced Production Experience (1 credit)

Practical applications and extension of theory and technique covered in communications courses in performance and production. Experiences may range from acting to stage management to crew or technical work.

343 Advanced Production Experience (1 credit)

Practical applications and extension of theory and technique covered in communications courses in performance and production. Experiences may range from acting to stage management to crew or technical work.

347 Publication Management (3 credits)

An experience in managing all phases of the production of the newspaper or the yearbook. Students will be responsible for the specifications of the publication, overall design, managing the staff, copy writing and editing, setting deadlines, and handling the logistics necessary for the publication. Students will gain an understanding of being a managing editor and directing a staff. Open only to the editors-in-chief of *The Lance* and *The Lamp and Shield*.

381 Advanced Production Experience (1 credit)

422 Senior Seminar (3 credits)

Seminar participants will work on individual projects in video, performance, or scripting. Course is in-

tended to provide a capstone experience for all majors. Prerequisite: late junior or senior standing.

440 Advanced Video Production (3 credits)

Advanced video production techniques including camerawork, editing, and floorwork. Class participants produce segments of a television talk show. Prerequisite: Comm 340.

190, 290, 390, 490 Special Studies in Communications (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Communications (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Communications (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Communications (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

COMPUTER INFORMATION SYSTEMS

101 Introduction to Computer Information Systems (3 credits)

A survey of the field of computer information systems. Topics include history of computers; careers

in the computer industry; the nature of computer hardware and software; computer languages and operating systems; and applications such as word processing, electronic spreadsheets, computer graphics, and database management.

304 Systems Analysis (3 credits)

A study of the life cycle of the development of a computer-based information system, with emphasis on documentation and logical specification. Topics include concepts, philosophies, and trends in system analysis and design; tools and techniques of analysis, including modeling, data definition, information requirements, and organizational policies and procedures; and the design of a system. Prerequisites: B/E 120 or permission of instructor; and CIS 101 and CS 110. Co-requisite: B/E 209.

305 Database Programming and Development (3 credits)

A study of the implementation of computer-based information systems in a database environment. Emphasis is on design and documentation. Topics include programming in a database; database architecture; hierarchical, relational, and network databases; and the role of the database administrator. Prerequisite: CIS 304 or permission of instructor.

401 Senior Project (3 credits)

An individual project, chosen by the student in consultation with the instructor in the design, development, documentation, and implementation of a computer-based information system. Implementation is done with a fourth-generation language; documentation with a desktop publishing system. Examples of areas which might be addressed by such a project are investment strategies; accounting; economics; statistical or management components of a decision support system; and quantitative methods in operations research. Prerequisites: CIS 304 and 305. Offered as needed.

190, 290, 390, 490 Special Studies in Computer Information Systems (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Computer Information Systems (1-4 credits)

A work experience with some external agency su-

pervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Computer Information Systems (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Computer Information Systems (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

COMPUTER SCIENCE

110 Introduction to Computer Science (3 credits)

A foundation course in computer programming. This course introduces the student to algorithm construction, data structures, computer design and operations, and applications to various areas of study. Requires no previous experience with computer programming.

223 Computer Science II (3 credits)

A continuation of CS 110 and includes Pascal arrays, records, and pointers. Strong emphasis on assembly language programming and debugging techniques with an overview of C and Ada programming to compare computer languages. Prerequisite: CS 110 or permission of instructor.

301 Data Structures (3 credits)

A study of data organization concepts using arrays, stacks, queues, linked lists, tables, and trees. Use of recursion and hash coding in algorithms and data structures. Analysis of algorithms and basic sorting techniques will also be studied. Pascal or C will be used for the programming projects. Prerequisite: CS 110.

302 Operating Systems (3 credits)

A comprehensive study of the fundamental operating system concepts. Topics include process concept, concurrency, storage management, file system, distributed systems, and deadlock. A programming project on developing an operating system simulator using C is also included. Prerequisites: CS 223 and CS 301.

351 Computer Architecture**(3 credits)**

A study of computer organization and of logic design. Topics include theory and design of hardware objects like memory, CPU, and I/O systems using gates, multiplexers, decoders, adders, and flip-flops. The IBM PC will be used as a model to study the digital logic and microprogramming levels of a computer. Prerequisites: CS 223 and CS 301.

361 Object-Oriented Design and Object-Oriented Programs**(3 credits)**

An introduction to object-oriented system design using the Booch Methodology, and to object-oriented programming using C++. The course will focus on objects, classes, inheritance, polymorphism, and dynamic data structures and will contrast the logical structures and methods of producing reusable code in OOP with those in conventional programming. Prerequisites: CS 351 and Math 325.

190, 290, 390, 490 Special Studies in Computer Science (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Computer Science (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Computer Science (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Computer Science (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

CREATIVE WRITING**213 Aesthetics (3 credits)**

A study of the philosophy of the fine arts. The course will examine such issues as what standard, if any, we use when we judge something beautiful, whether beauty and truth are related, whether the same standards of criticism apply to all the arts, and what happens when we come to appreciate a work of art.

215/315 Religion in Stories, Plays and Films (3 credits)

An exploration of religious questions and affirmations as these are encountered in selected novels, short stories, plays, and films.

216 Existentialism (3 credits)

The philosophy of existence, studied through the works of such thinkers as Kierkegaard, Heidegger, Nietzsche, Sartre, and Jaspers. Existentialism in its influence in political theory, literature and the fine arts is also treated.

221 Creative Writing (3 credits)

Training and practice in the writing of verse, prose fiction, and drama.

223 Contemporary Forum I, II, III, IV (2 credits)

Students attend the weekly 2-hour Fortner Writers' Forum and follow up with a 1-hour give-and-take session with the writer of the week. Discussion of works from both the traditional canon and major contemporary writers will be featured on weeks when the Forum does not have an outside guest. Appropriate texts, papers, and journals. Limited to Creative Writing majors and minors, and to students on Creative Writing scholarships. A maximum of 8 credits may be earned in CW 223.

245/345 Oral Interpretation (3 credits)

Oral interpretation of poetry, prose, and dramatic literature. Class will emphasize analysis and performance with special attention to voice and diction.

413 The Writing of Verse (3 credits)

Advanced study and practice in the composition of poetry. The course will include attention to traditional and contemporary poetry writing and publishing, as well as modern literary criticism and manuscript marketing. Prerequisites: CW 221 and Eng 252, or permission of instructor.

414 Writing Fiction (3 credits)

Students will write short stories. The instructor will discuss writing with individuals and groups. Writing problems and related student needs will direct the teaching. Good short stories will be read as examples to discuss and examine. Prerequisite: CW 221 or permission of instructor.

420 Playwriting (3 credits)

Course offers a comprehensive analysis of play construction with the goal of learning to create scenarios and scenes. Course will cover adaptation of existing materials to dramatic form and creation of original scripts. Prerequisite: permission of instructor.

479 Thesis and Presentation (4 credits)

Creative Writing majors will submit a creative thesis; participate in an oral defense of the thesis and of their own creative theory before a committee of three faculty members; and participate in a public oral presentation of their work as the culminating activity in the course. The thesis may be in one or several genres and generally will be between 30 and 50 pages in length. In the case of a novel, the student will produce an outline and at least 3 chapters of the work. A professional writer may be substituted for one of the faculty committee members if the student desires.

190, 290, 390, 490 Special Studies in Creative Writing (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Creative Writing (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Creative Writing (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Creative Writing (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

DEVELOPMENTAL STUDIES

101/102 Developmental Studies (3 credits/3 credits)

These courses are designed to help prepare Assist students for doing successful College-level work. The courses will include orientation to College life and diagnostic testing in reading and writing skills. Modules in developing reading/comprehension skills, study skills, time management, career planning, making use of available college services, developing library skills, word processing skills, and the management of extracurricular activities will be included. Interactive computer instruction will be used for assistance in some of the modules. The courses will be taught by a team with the Coordinator of Special Academic Services serving as lead instructor. DST 101/102 do not count toward the graduation requirement of 120 credits.

151/152 Developmental Studies (3 credits/3 credits)

These courses are for Assist students to develop intellectual, imaginative, and social skills. DST 151 considers the theme of individual and community, and concentrates on information and formal writing, self-understanding, and the nature of liberal learning. DST 152 emphasizes the continuing development of formal writing skills and oral presentation and discussion skills. DST 151 does not count toward the graduation requirement of 120 credits.

EDUCATION

230 Cultural Arts In the Elementary School (3 credits)

This course explores the integration of dance, theater, music and the visual arts in the classroom. The course will offer direct instruction in production techniques. Required of all elementary education majors

246 Education, Culture, and Society (3 credits)

An introduction to the history, philosophy, and sociology of education. Topics addressed include professional and multicultural issues, school governance, finance, reform movements, and school law. Students will be assigned to a regular classroom for field observations. Required for licensure. Prerequisite: sophomore standing.

308 Human Development (3 credits)

An introduction to physical, cognitive, emotional, and social development of children from prenatal through young adult. Required for licensure. Prerequisite: Psy 201.

315 Educational Psychology (3 credits)

An introduction to learning theories and methods of diagnosis and evaluation of learning outcomes. Study of motivational and behavioral theories as they apply to classroom instruction and management. Required for licensure. Prerequisite: Psy 201 or Ed 308.

319 Literature for Children and Youth (3 credits)

An examination of literature appropriate to ages pre-school through adolescence. Students learn to critique and select literature for classroom enrichment and for unit and interdisciplinary studies. Required for all elementary majors.

321 Reading and Writing In the Content Areas for 7-12 Teachers (3 credits)

A study of the integration of reading and writing strategies and activities into the content areas (across the curriculum). The emphasis of this course will be on creating reading, writing, and thinking assignments that not only evaluate student knowledge but also that create knowledge—activities otherwise known as “reading-to-learn” and “writing-to-learn.” Central requirements include specialized lessons plans, informal writing, and a higher-order thinking skills project that integrates language processes and content knowledge. Open to teacher licensure candidates only.

336 Reading Instruction in the Elementary School (4 credits)

Exploration of reading, literacy, and the classroom instruction of reading from beginning to advanced levels. Required of all elementary majors. Prerequisite: admittance to teacher education program.

338 Communication Skills In the Elementary School (3 credits)

Exploration of the broad range of literacy and communication skills including listening, speaking, reading, writing, and viewing. Special emphasis is given to methods for teachers to use in the classroom to enhance the teaching of integrated language arts competencies and creating interdisciplinary classrooms. Required for all elementary majors. Prerequisites: admittance to teacher education program and Ed 336, or permission of instructor.

339 Social Studies In the Elementary School (3 credits)

A survey of activities, materials, and methods to effectively teach social studies in grades K-6. Required of all elementary majors. Prerequisite: admittance to teacher education program.

340 Mathematics In the Elementary School (3 credits)

A survey of activities, materials, and methods to effectively teach mathematics in grades K-6. Required of all elementary majors. Prerequisite: admittance to teacher education program.

341 Life, Earth, and Physical Science in the Elementary School (3 credits)

A survey of activities, materials, and methods to effectively teach life, earth, and physical science in grades K-6. Required of all elementary majors. Prerequisite: admittance to teacher education program.

355 The Exceptional Child (3 credits)

Emphasizes legal, ethical, and economic bases; assessments and eligibility requirements; characteristics and educational implications; and practices pertaining to various exceptionalities. Required for licensure. Prerequisites: admittance to teacher education program and Psy 201.

423 Student Teaching (10 credits)

The experience is substantial and full-day for at least 60 school days under the direction and supervision of a college supervisor and a public school cooperating teacher. Must have approval and recommendation of the teacher education committee. Required for licensure.

425 Student Teaching Senior Seminar (2 credits)

A weekly seminar for student teachers to reflect on their experiences in the classroom. Topics addressed in the seminar include classroom management, evaluation of instruction, technology, planning and instruction, and career planning. Taken concurrently with Ed 423.

01W Introductory Field Experience (3 credits)

A Winter Term course which includes 35-40 hours of classroom participation and small group teaching experience. May be required of transfer students and certification-only students who do not have prior classroom experience.

190, 290, 390, 490 Special Studies in Education (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Education (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Education (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Education (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

ENGLISH**209 Survey of the Literature of the United States (3 credits)**

An overview of American literature from Colonial times through the present.

210 Classics of the Western Literary Tradition (3 credits)

Studies in the major formative classics of the West. Emphasis will be on the continuing significance of these texts for understanding the human condition.

211 Masterpieces of English Literature (3 credits)

A survey of major works of English literature. Readings will generally be drawn from Beowulf, Chaucer, Spenser, Milton, Donne, Dryden, Pope, Johnson, Wordsworth, Shelley, Keats, and Browning. Special attention will be given to the themes of perennial interest such as love and death, man and woman, freedom and servitude.

251 Black American Literature (3 credits)

The Black American experience as expressed in the imaginative writing of Black Americans. Emphasis will be upon prose fiction of the 20th century, including works by James Baldwin, Richard Wright, Langston Hughes, Ralph Ellison, Toni Morrison, and Alice Walker.

252 Modern Poetry (3 credits)

Readings from a wide selection of modern poets. Special attention will be given to Hopkins, Yeats, Frost, Pound, Williams, Lorca, Cavafy, and Rilke.

268 Introduction to Pound Studies (2 credits)

An introduction to the poetry and literary/political influence of Ezra Pound and his contemporaries. The course is strongly recommended for students anticipating study at Brunnenburg, as well as students of 20th century letters.

270/370 Post-Modern Poetry (3 credits)

A study of contemporary poets since the "Eliot/Pound Modernist era," the course will extend from Thomas and Auden, through the Black Mountain Movement and San Francisco Renaissance to the present, ranging from experimentalists like Olsen and Creely, through formalists such as James Merrill, to cutting edge writers like Rita Dove and Ai. Students may elect a research or a creative project.

301 Shakespeare (3 credits)

A study of major histories, comedies, and tragedies

of Shakespeare against the background of the English Renaissance. Particular emphasis will be placed on the variety of critical approaches possible in a study of Shakespeare. Prerequisite: junior standing or permission of instructor.

302 Chaucer (3 credits)

A detailed examination of *The Canterbury Tales* in the context of medieval aesthetics and literary forms. Prerequisite: junior standing or permission of instructor.

308 Victorian Literature (3 credits)

A study of the poetry of Tennyson, Browning and of selected prose writings of John Henry Newman, John Stuart Mill, Thomas Carlyle, Matthew Arnold, Thomas Huxley, and Charles Dickens. Special attention will be given to the continuing human problems they addressed in the Victorian world.

309 Modern Novel (3 credits)

A study of representative novels of the 20th century. Analysis of novels by Lagerkvist, Gide, Mauriac, Camus, Bernanos, Silone, Paton, Unamuno, and Greene. Prerequisite: junior standing or permission of instructor.

311 The American Renaissance (3 credits)

A study of the literature of the American Renaissance with particular emphasis on Emerson, Thoreau, Whitman, Hawthorne, Melville, and Mark Twain. Prerequisite: junior standing or permission of instructor.

314 Elizabethan Literature (3 credits)

An examination of major poets and dramatists of the English Renaissance, excluding Shakespeare. The course will focus on Spenser, Donne, and the Jacobean dramatists. Prerequisites: junior standing or permission of instructor.

315 American Fiction of the 20th Century (3 credits)

A study of representative American fiction of the 20th century. Analysis of novels by such writers as Norris, Dreiser, Lewis, Hemingway, Faulkner, Dos Passos, Steinbeck, Wright, Warren, Bellow, Malamud, and Oates. Prerequisite: junior standing or permission of instructor.

317 Literature of the Romantic Period (3 credits)

A study of the chief poets and critics of English Romanticism. Prerequisite: junior standing or permission of instructor.

319 Literature for Children and Youth (3 credits)

An examination of literature appropriate to ages preschool through adolescence. Students learn to critique and select literature for classroom enrichment and for unit and interdisciplinary studies. Required for all elementary education majors.

333 Journalism (3 credits)

A practical and theoretical study in writing and editing for newspapers and magazines, including examination of problems in editing for radio and television. The course will stress skills in identification of major 20th century figures and events, spelling, and map study, as well as journalistic forms. Prerequisite: typing ability and permission of instructor. Seniors will have preference.

339 Japanese Fiction and Film (3 credits)

A course designed to familiarize students with the Japanese culture and aesthetic through 20th century novels and motion pictures. Among writers stressed will be Kawabata, Tanizaki, Mishima, Abe, and Oe and filmmakers Kurosawa, Hani, Ozu, and Ichikawa.

342 Women Writers of the South (3 credits)

This course provides an opportunity for study of the work of contemporary Southern women writers such as Flannery O'Connor, Eudora Welty, Alice Walker, and Toni Morrison. Through readings, class discussions, papers, and special projects students will explore the achievements of these and other contemporary women writers who take seriously and use creatively their heritage as Southerners and their experience as women.

344 Modern Drama (3 credits)

A study of texts and staging practices from Greek and Shakespearean theatre as well as from selected non-Western genres. Class participants will gain an understanding of the theatrical traditions of distinct cultures in the historical context of the societies that spawned them.

347 Eighteenth Century Comedy and Satire (3 credits)

This course will provide an opportunity for detailed study of the dramatic comedy and prose satires of the 18th century. Readings will include the plays of Wycherley, Etherege, Congreve, Sheridan, and Goldsmith, and the prose of Swift and Samuel Johnson.

349 Eliot and His Age (3 credits)

An intensive study of the poems, plays, and literary criticism of T. S. Eliot, the course will examine his extended influence throughout and beyond his dis-

tinguished career as well as his poetic, philosophical, and political development.

362 Saints and Heroes of the Middle Ages (3 credits)

An introduction to some of the major epic cycles and legends of the Middle Ages and their iconography as reflected in works of art in Tyrolean castles, churches, and museums. Readings will include *The Niebelungenlied*, *Tristan*, *Ywain*, *The Song of Roland*, and *Sir Gawain and the Green Knight*. Offered overseas only.

371 The Cantos: American Epic (3 credits)

A study of Ezra Pound's "Cantos" in relation to the poetry, politics, and philosophy of the 20th century. Attention will be given to other major poets of the time. Offered overseas only.

372 Myth and Agro-Archaeology (3 credits)

An academic and field study of mythology and agriculture as the roots of culture, government and the fine arts. Offered overseas only.

376 Anglo-Irish Literature (3 credits)

An intensive study of the Anglo-Irish importance to the canon of literature in English, emphasizing the contributions of Shaw, Wilde, Yeats, Joyce, and Beckett.

401 Milton (3 credits)

Intensive reading of Milton's poetry with major emphasis on *Paradise Lost* and *Samson Agonistes*. Collateral readings from the prose. Prerequisite: junior standing or permission of instructor.

453 Senior Portfolio and Review (1 credit)

This course will provide an opportunity for senior English majors to collect and reflect upon samples of their skills in written literary analysis, to receive faculty evaluation of their work, and to prepare their postgraduate reading list. Required of senior English majors.

497 Academic Honors (3 credits)

Open by invitation of the faculty only. Exceptional work done by the student, working independently under faculty supervision, in traditional, comprehensive, systematic research over an extended period of time resulting in a senior thesis or project of high merit.

190, 290, 390, 490 Special Studies in English (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of fac-

ulty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in English (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in English (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in English (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

ENGLISH AS A SECOND LANGUAGE

200 Writing and Structure I (3 credits)

This course reviews syntax and sentence structure. Students write complex sentences in imitative and original essays as a vehicle for introducing the study of literature and culture. Written summaries are also included.

201 Speaking and Listening I (3 credits)

Students practice oral communication and listening skills. Emphasis is on fluency, correct word usage, and syntax. Topics range from everyday situations to elementary abstractions having to do with literary and cultural aspects of life in the U.S.

250 Writing and Structure II**(3 credits)**

Students study the sentence in context. They learn to eliminate mechanical errors and faulty sentence structure from their writing. Students review grammatical structures and punctuation. They write original essays based on personal experience and on ideas drawn from supplement literary and cultural materials.

251 Speaking and Listening II**(3 credits)**

This course is a continuation of ESL 201. Students practice oral communication and listening skills, fluency, correct usage, and syntax. Topics are of a more abstract nature dealing with the literature and culture of the English-speaking world.

190, 290, 390, 490 Special Studies in ESL (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in ESL (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in ESL (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided independent Studies in ESL (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

MODULES**Module A: Fundamental Reading Skills (0 credits)**

This supplemental unit is designed for ESL students who wish to improve in reading skills. The emphasis will be on phonics, word recognition skills, and basic thinking as they relate to reading.

Module B: Pronunciation (0 credits)

This supplemental unit aides the students in accurately reproducing the sounds of American English. Attention focuses on the individual needs of the students.

Module C: Fundamental Vocabulary (0 credits)

This supplemental unit is for advanced ESL students who wish to improve vocabulary skills. Emphasis is on general and specialized vocabulary development, dictionary skills, word recognition skills, improvement of sight vocabulary, and vocabulary-in-context techniques.

Module D: Advanced Vocabulary (0 credits)

This supplemental unit is for advanced ESL students who wish to improve vocabulary skills at a level beyond that of intermediate (2,000 most frequent words). The emphasis is on general and specialized vocabulary development, advanced dictionary/thesaurus skills, word recognition skills, improvement of sight vocabulary, and application of advanced vocabulary-in-context techniques.

Module E: Oral Communication (0 credits)

This supplemental unit identifies and improves the production of American speech sounds. Students prepare practices and present various oral messages. Emphasis is on stress and intonation. Topics center on students' needs and personal experiences.

Module F: Spelling (0 credits)

This supplemental unit introduces basic spelling rules and provides students with the opportunity for practice orally and in writing. Texts and supplemental materials will be used to reinforce the relationship between oral and written expression.

Module G: Advanced Reading (0 credits)

This supplemental unit improves the literal, interpretative and critical comprehension skills of the students. Emphasis is on identifying main ideas and significant details, sequence of relationships, inferences of fact and tone, figurative language and propaganda.

**Module H: idioms and Culture
(0 credits)**

Students study idiomatic English and American social customs. Students incorporate common idioms in their conversation and writing. Social customs, such as those regarding time, dress, guest behavior, gestures, and selected public encounters, are discussed.

Module i: English for Specific Purposes (0 credits)

This is for students who need work in oral and written English skills, pertinent to their major course work. It provides an opportunity to become familiar with situations particular to their field of interest.

Module J: Study Skills (0 credits)

This supplemental unit is for the student who plans to enter mainstream academic classes and wants to improve listening skills and learning techniques. Emphasis is on methods for reading textbooks efficiently, taking notes, understanding textbook assignments, and preparing for examinations.

Module K: Editing and Advanced Syntax (0 credits)

This supplemental unit is designed for the advanced ESL student in writing courses who needs help with grammar trouble spots that cause difficulties in writing. Rather than provide English grammar review, the course concentrates on rules to help the student apply general principles. It will aid in finding ways to examine and evaluate writing in terms of grammatical accuracy.

ENVIRONMENTAL SCIENCE

**161 Environments: A User's Guide
(4 credits)**

This course explores the effects of human activity on the physical and biotic environment. The chemical, physical, and biological processes which are involved in major environmental problems such as acid rain, global warming and decreasing species diversity will be studied. An historical examination of both our changing understanding of community and ecosystem level processes and our changing awareness of our environmental impact will be conducted. Laboratories will demonstrate concepts and teach lab and field techniques relating to the way that scientists examine, understand, and monitor the environment. This course does not count towards the biology major. Three hours of lecture and three hours of laboratory per week.

325 Physical Geography (3 credits)

An analysis of the spatial distribution and character of environmental elements, including climate, landforms, vegetation and soils. Problems arising from intensive use of the earth by modern society, including the use of earth materials, energy resources and groundwater will be considered, along with an introduction to land use planning. Prerequisites: Env Sci 161, and Bio 212; or permission of instructor.

**421 Environmental Science Seminar
(3 credits)**

This course will explore the physical and biotic factors involved in the major environmental processes with the objective of understanding the dysfunctions of those processes that have been produced by human activity. The course will involve a mixture of professor-centered lecture/discussion sessions and student presentations and student led discussions of current literature (with a strong emphasis on primary sources). This course is team-taught by faculty from the Department of Biology and from the Department of Chemistry. Prerequisites: Chem 315, and Bio 307. Co-requisite: Env Sci 421L.

421L Techniques in Environmental Monitoring and Analysis

(1 credit)

This laboratory course will explore the experimental methods and instrument skills involved in environmental monitoring. Teams of students will apply skills acquired in previous courses (and possibly some newly acquired skills) to problems such as analysis of pesticide levels in local fauna, heavy metal contamination in local environments, and species diversity in communities subject to environmental stress. This course is team-taught by faculty from the Department of Biology and from the Department of Chemistry. Co-requisite: Env Sci 421.

**497 Honors Research in Environmental Science
(3-4 credits)**
**190, 290, 390, 490 Special Studies in Environmental Science
(1-4 credits)**

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Environmental Science (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Environmental Science (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Environmental Science (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

ENVIRONMENTAL STUDIES

202 Introduction to Environmental Studies (3 credits)

An interdisciplinary introduction to contemporary environmental problems, including overpopulation, biodiversity, pollution, and waste disposal/reduction. Causes and possible solutions of such problems will be explored from the perspectives of economics, politics, literature, philosophy, and psychology.

345 Environmental Economics and Policy Analysis (3 credits)

An analysis of current environmental policy from an economic perspective. This course will explore the economic origins of many environmental problems and the merits of alternative public policy instruments. Specific environmental problems which will be addressed include: acid rain, global warming, fisheries depletion, temperate and tropical deforestation, ozone depletion, pollution of the aquatic ecosystems, and species extinction. Prerequisite: B/E 231, or permission of instructor.

190, 290, 390, 490 Special Studies in Environmental Studies (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Environmental Studies (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Environmental Studies (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Environmental Studies (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

FOREIGN LANGUAGES

CHINESE

151 Chinese Language I (3 credits)

This is an entry-level course in Chinese. Speaking and listening skills are emphasized. Students will be able to communicate about daily life and topics of interest. "Pinyin"—Mandarin romanization—is taught throughout the year. An introduction to the cultures of China. The course assumes active participation by the student.

152 Chinese Language II (3 credits)

This course is a continuation of 151 Chinese Language I. Emphasis is placed upon consolidating the student's knowledge of grammar, sentence patterns, and vocabulary. The student will advance from textbook Chinese to more practical daily usage. Prerequisite: Chinese 151 or permission of instructor.

FRENCH

151 French Language I (3 credits)

This is an entry-level course in French. All language skills are addressed, but emphasis is on speaking and aural skills. The course includes an introduction to the cultures of France and the Francophone world. The course assumes active participation by the student.

152 French Language II (3 credits)

This is a continuation of French 151. Prerequisite: French 151, or permission of instructor.

155 Practical French Conversation & Culture (3 credits)

A beginning course in both language and culture. Practical French in everyday use, especially for travel abroad. Knowledge of the culture is emphasized in this course. Although French 155 satisfies the Language/Culture breadth requirement, the course does not satisfy prerequisite requirements for 200-level French courses.

251 Practical French Conversation (3 credits)

This course stresses the development of oral communication in French. Topics deal with daily life, travel, education, shopping, and other situations common to the traveler. Prerequisite: French 152, or permission of instructor.

252 French Composition I (3 credits)

Students develop from single sentence writing to longer forms of written expression, from guided compositions to freer paragraphs. Attention is given to differences between verb tenses and to idiomatic expressions. Review of grammar as necessary. Prerequisite: French 152, or permission of instructor.

253 French Readings (3 credits)

This course helps students bridge the gap from oral language to the written word through readings from a variety of sources. Emphasis is on reading and interpreting rather than on translation. Designed for students wanting to develop a reading knowledge of French or to prepare for graduate study in any field. Prerequisite: French 152, or permission of instructor.

254 Commercial French (3 credits)

An introduction to French as used in business and commerce. Emphasis is on technical vocabulary, business writing, exchange of information, and export-import. Prerequisite: French 152, or permission of instructor.

331 French Culture and Civilization (3 credits)

An introduction to French history, art, culture, and literature to the present, with emphasis on contemporary France. Prerequisites: Two 200-level courses in French, or permission of instructor.

352 Survey of French Literature (3 credits)

An introduction to many outstanding French writers of various periods. In addition to reading, students learn of important literary movements in French literature. Students learn to analyze and interpret literature. Prerequisites: French 253 and one other 200-level course in French, or permission of instructor.

353 Advanced Conversation (3 credits)

Students move from controlled situational speaking to more independent, free speaking. Assigned and free topics for oral presentations. Some extemporaneous speaking. Prerequisites: French 251 and one other 200-level French course, or permission of instructor.

451 Advanced Composition (3 credits)

Emphasis in the course is on free composition on a variety of topics. Attention will be given to subtleties of stylistic expression. All regular verb tenses should be mastered by the student. Prerequisites: French 252 and one other 200-level French course, or permission of instructor.

452 Special Topics in Literature (3 credits)

For students who have a general knowledge of French literature, this course focuses on specific authors, genres, movements, or themes. Students may repeat this course under different topics. Prerequisite: French 352 or permission of instructor.

GERMAN

151 German Language I (3 credits)

This is an entry-level course in German. All language skills are addressed but special emphasis is given to listening and speaking. Students will be able to communicate about daily life and topics of interest. An introduction to German culture is a component of the courses. The course assumes active participation by the student.

152 German Language II (3 credits)

This is a continuation of German 151. Prerequisite: German 151, or permission of instructor.

GREEK

Students wishing to study New Testament Greek may arrange to do so in an X90 Special Studies course when an instructor is available.

LANGUAGE**251 Introduction to Linguistics (3 credits)**

This course will explore the nature, definition, and acquisition of language. Students are introduced to phonetics, phonology, and morphology, as well as grammatical structures, including transformational grammar.

311 Teaching of Second Languages, K-6 (2 credits)

Students learn K-6 methods of teaching foreign language. Topics include second language acquisition in children, history of foreign language instruction in the U.S., and how foreign languages apply to the K-6 curriculum. Required field experience. Usually taken during spring term of the junior year prior to student teaching in the fall.

312 Teaching of Second Languages, 7-12 (2 credits)

Students learn grades 7-12 methods of teaching foreign language. Topics include second language acquisition in adolescents and how foreign languages apply to the 7-12 curriculum. Required field experience. Usually taken during spring term of junior year prior to student teaching in the fall.

190, 290, 390, 490 Special Studies in Foreign Languages (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Foreign Languages (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Foreign Languages (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Foreign Languages (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

SPANISH**151 Spanish Language I (3 credits)**

This is an entry-level course in Spanish. All language skills are addressed but emphasis is on speaking and aural skills. The course includes an introduction to the Hispanic cultures, including Hispanic influence in the United States. This course assumes active participation by the student.

152 Spanish Language II (3 credits)

This is a continuation of Spanish 151. Prerequisites: Spanish 151, or permission of instructor.

155 Practical Spanish Conversation and Culture (3 credits)

A beginning course in both language and culture. Practical Spanish in everyday use, especially for travel abroad. Knowledge of the culture is emphasized in this course. Although Spanish 155 satisfies the Language/Culture breadth requirement, the course does not satisfy prerequisite requirements for 200-level Spanish courses.

251 Practical Spanish Conversation (3 credits)

This course stresses oral communication in Spanish. Topics deal with daily life, travel, education, shopping, and other situations common to the traveler. Prerequisite: Spanish 152, or permission of instructor.

252 Spanish Composition I (3 credits)

Students develop from single sentence writing to longer forms of written expression, from guided compositions to freer paragraphs. Attention is given to differences between verb tenses and to idiomatic expressions. Review of grammar as necessary. Prerequisite: Spanish 152, or permission of instructor.

253 Spanish Readings (3 credits)

This course helps students bridge the gap from oral language to the written word. Readings from a variety of sources. Emphasis is on reading and interpreting rather than on translation. Designed for students wanting to develop a reading knowledge of Spanish or to prepare for graduate study in any field. Prerequisite: Spanish 152, or permission of instructor.

254 Commercial Spanish (3 credits)

An introduction to Spanish as used in business and commerce. Emphasis is on technical vocabulary, business writing, exchange of information, and export-import. Prerequisite: Spanish 152, or permission of instructor.

331 Spanish Culture and Civilization (3 credits)

An introduction to the history, art, culture, and literature of Spain to the present, with emphasis on contemporary Spain. Taught in Spanish. Prerequisites: Two 200-level courses in Spanish, or permission of instructor.

332 Spanish-American Culture and Civilization (3 credits)

An introduction to Spanish-American history, art, culture, and literature to the present, with emphasis on contemporary Spanish America. Prerequisites: Two 200-level courses in Spanish or placement by the department.

352 Survey of Hispanic Literature (3 credits)

An introduction to many outstanding Spanish-language writers of varied periods. In addition to reading, students learn of important literary movements in Spanish-American literature. Students learn to analyze and interpret literature. Prerequisites: Spanish 253 and one other 200-level course in Spanish, or permission of instructor.

353 Advanced Conversation (3 credits)

Students move from controlled situational speaking to more independent, free speaking. Assigned and free topics for oral presentations. Some extemporaneous speaking. Prerequisites: Spanish 251 and one other 200-level course, or permission of instructor.

451 Advanced Composition (3 credits)

Emphasis in the course is on free composition on a variety of topics. Attention will be given to subtleties of stylistic expression. All regular verb tenses should be mastered by the student. Prerequisites: Spanish 252 and one other 200-level Spanish course, or permission of the instructor.

452 Special Topics in Literature**(3 credits)**

For students who already have a general knowledge of Hispanic literature, this course focuses on specific authors, genres, movements, or themes. Students may repeat this course under different topics. Prerequisite: Spanish 352 or permission of the instructor.

GEOGRAPHY

201 World Geography I: Western Hemisphere (3 credits)

This course introduces the student to important geographic concepts and increases awareness of the diverse cultural and physical characteristics on earth. Concentrating on the Western hemisphere, this course offers the student a better understanding of where places are and how all parts of the Earth, in one way or another, depend upon other parts for their well-being.

202 World Geography II: Eastern Hemisphere (3 credits)

A continuing of the studies begun in Geo 201, this course will emphasize the Eastern hemisphere.

190, 290, 390, 490 Special Studies in Geography (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Geography (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Geography (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Geography (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

HISTORY

Courses numbered at the 300- and 400-levels are restricted to juniors and seniors except by permission of the instructor.

101 Western Civilization I (3 credits)

A study of the political, social, economic, and intellectual trends in select periods of Western civilization from the ancient Near East to 1650, including Greece and Rome; medieval civilization and culture; the Renaissance; the Protestant Reformation; the Age of Revolution and crisis; and the formation of Nation States. An examination of the daily lives and experiences of men, women, and children in those ages.

102 Western Civilization II—Comparative Revolutions (3 credits)

This is a course in modern Western civilization organized around the theme of comparative revolutions. Emphasis is placed on the comparative study of the English Revolution, the American Revolution, the French Revolution, the Russian Revolution, and the Nazi Revolution.

201 American Civilization I (3 credits)

This course is a basic introduction to American civilization, from the founding of European settlement in North America to the American Civil War.

202 American Civilization II (3 credits)

This course is a basic introduction to the second half of the history of the United States. American civilization is traced from the end of the Civil War through the Reagan years.

209/309 North Carolina History (3 credits)

A particular interpretation of the Old North State, with its 400-year-old history described and discussed thematically. Emphasis is on understanding the cultural context—that is, the values—in which women and men have lived and are living in North Carolina.

211/311 History of Modern China (3 credits)

This course examines modern China from 1900 to the present. Subjects to be discussed will include: Western imperialism and China, the 1911 Revolution, the Nationalist regime during the interwar years, the World War and Civil War of the 1940s, and Maoist and post-Maoist regimes. It will also contain a focus on modern Chinese cultural and social life and explore in some depth the Sino-American relationship.

221/321 Mass Culture in Modern America (3 credits)

This course studies the development of a mass culture, including such developments as radio, movies, television, consumer products, popular music, and sports from the late 19th and early 20th centuries to the present. This course is a critical examination of how the mass culture has shaped and has been shaped by 20th century American society.

241/341 The United States Since 1940 (3 credits)

This course considers the United States from the beginning of World War II to the present. It stresses the wartime economic changes, the Cold War, and the cultural and social history of the nation since 1945. The course also deals broadly with major political issues in the United States since the beginning of World War II.

251/351 The Modern Middle East (3 credits)

This course will examine the historic roots of the modern civilization of the Middle East. Among the topics examined will be: the nature of the Ottoman Empire, the culture and politics of Islam, and historic developments in the region since World War I.

253/353 The Enlightenment and the French Revolution (3 credits)

A study of continental Europe between 1700 and 1850, with emphasis on the relationship between ideas and institutional change. The Enlightenment of the 18th century, its origins and its impact, will be considered, as will the decline of the Old Regime, the crisis of the French Revolution, and the reorganization of Europe in the first half of the 19th century.

262/362 Europe During the Renaissance and Reformation (3 credits)

This course is a study of Western European history from the 14th century through the end of the 17th century. The major focus of the course will be events, people, and ideas that shaped our modern world: the

growth of individualism, the Protestant Reformation; secularism; the “scientific revolution;” the creation of the “modern” state; the changing status of the family, and of women and children; the artistic and literary Renaissance; etc.

271/371 The United States and the Vietnam War (3 credits)

This course examines the United States’ involvement in the Indo-Chinese conflicts that began with World War II and continue to the present day. The focus of the course will be the years 1954-1973, a period when the United States was a key player in the events in Southeast Asia, and in Vietnam in particular. The effects on the homefront, where the war shaped much of the cultural, social and political history of the United States in the 1960s, will also be covered.

302 History of Economic Thought (3 credits)

A history of the main currents of economic thought since the 18th century, including such economists as Adam Smith, Karl Marx, John Maynard Keynes, and Milton Friedman.

305 The American Presidency in Historic Perspective (3 credits)

An explanation of the office, roles, and powers of the American presidency in historical and comparative perspective. Attention to key events in the development of American national political institutions, with special reference to relationships among the Presidency, Congress, and the courts. Emphasis on primary sources.

332 Slavery in Comparative Perspective (3 credits)

A study of slavery in which the concept of thralldom is examined from the points of view afforded by different societies and different generations which have employed “the peculiar institution.” Topical treatment of the development of slavery from the ancient Greeks, through the medieval Middle East, and concluding with slavery in the Americas; two historians utilize the methodologies of various disciplines in the humanities and social sciences. The course is developed cognitively around five general areas: 1) Slavery as a Philosophical Problem; 2) Comparative Analysis of Slave Societies; 3) The Historiography of Slavery; 4) Afro-American Folklife and Slavery; and 5) Slavery in Microcosm.

334 Civil War and Reconstruction (3 credits)

A study of the era of the American Civil War. The causes of the war, the military campaigns, and Reconstruction will be considered. Special emphasis

will be given to interpretations of the era, the impact of military technology and doctrines of war on the campaigns, and the significance of Reconstruction for the South.

355 The Turn of the Century and World War I (3 credits)

A study of the developments in Europe from the 1880s until 1921, with emphasis on the impact of science, technology, and industrialization on the turn-of-the-century decades. Consideration will be given to the causes of World War I, the military campaigns of the war, and the Russian Revolution. The turn-of-the-century decades will be interpreted as an important revolutionary era.

356 The Second World War, Europe, 1919-1945 (3 credits)

A study of the backgrounds of World War II in Europe, the military campaign of 1939-45, naval and aerial warfare, home fronts, Nazi occupation regimes, resistance movements, propaganda, wartime diplomacy, the role of science, and the impact of total war on European society.

357 The Second World War; Asia and the Pacific, 1919-1945 (3 credits)

A study of World War II in Asia and the Pacific, with emphasis on the period 1937-1945. Diplomatic backgrounds of the conflict will be considered. An important feature of the course is the emergence of Japan as the leading Asian power. Asian perspectives on the war are examined.

361 East Meets West: Europe in the Age of Chivalry (3 credits)

This course will explore the thoughts, beliefs and lives of people in the medieval world. The focus will be on the similarities and differences between medieval Western society and the Muslim Middle East, especially in the 12th and 13th centuries. Among the questions considered will be: What was the social structure of the two societies? What were the bases of the religious similarities and differences between Christians and Muslims? What were the relations between East and West? What were the major contributions of each to the other’s society and culture?

367 Tudor/Stuart England (3 credits)

From the bloody accession of Henry VII at Bosworth field to the bloodless ‘Glorious Revolution’ of 1688, to Queen Anne, a fascinating and vital part of the history of England took place. It is the age of the excesses of Henry VIII, the Protestant Reformation, Shakespeare, Marlowe, and Milton, the Virgin Queen, the Spanish Armada, the Civil War, the ‘Great

Protector,' the creation of the modern English state, and the people in the New World. Prerequisite: Hist 101, or permission of instructor.

370 History of Science From the Greeks Through Newton (3 credits)

The course will cover the development of science from within the context of Greek philosophical speculation to the later accretions of the Greeks and Romans and their successors in the Christian West and Muslim East. The purpose of the course is to demonstrate that science must be studied within the context of broader social and intellectual developments. Recommended for science majors who want a wider view of their own disciplines, as well as for non-science majors who want to see how sciences fit into the context of intellectual, cultural, and social history:

372 Myth and Agro-Archeology (3 credits)

An academic and field study of mythology and agriculture as the roots of culture, government, and the fine arts. Offered overseas only.

375 Saints and Heroes of the Middle Ages (3 credits)

An introduction to some of the major epic cycles and legends of the Middle Ages and their iconography as reflected in works of art in Tyrolean castles, churches, and museums. Readings will include *The Niebelungenlied*, *Tristan*, *Ywain*, *The Song of Roland*, and *Sir Gawain and the Green Knight*. Offered overseas only.

422 Senior Seminar in History (3 credits)

Required of all majors; recommended for those seeking to establish a history minor. An introduction to the basic ways of thinking employed by practicing historians, with attention to main currents of historical interpretation and significant bibliography. All members of the history department have cooperated to prepare this course, and each faculty member will discuss an area of his or her own research with the members of this seminar. In addition, seminar members will learn search strategies in primary archival sources and primary oral sources while also developing the kind of critical, analytical reading to the discipline.

491 Honors Seminar (3 credits)

Admission to this course will be by invitation of the history faculty. It will stress historiography, research design and techniques, and preparation of a student's own original research project.

497 Honors Research (3 credits)

Admission to this course is restricted to those who have successfully completed Hist 491. The student, working independently with faculty direction, will produce and defend an honors thesis of original historic scholarship.

190, 290, 390, 490 Special Studies in History (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in History (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in History (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in History (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

HONORS

Honors SAGE 105 (3 credits)

A section of SAGE 105 that is required of all entering first year General Honors students, with enhanced assignments and more advanced expectations and readings.

Honors SAGE 206, 207, and 208 (3 credits each)

Special sections of the World Cultures sequence of SAGE, with substantially accelerated and enriched assignments.

Honors 102 CORPS—Community Outreach and Public Service (1 credit)

Student service projects individually developed and pursued in the Laurinburg community. Projects may be pursued during any term during an academic year. Credit granted in the Spring Term only.

Honors 150/151 Honors Enrichment (1 credit/1 credit)

Regular attendance at, participation in, and response to events of an intellectual and academic nature sponsored by the Honors Program or other organizations and groups. These courses, if offered, are required of all students enrolled in Honors SAGE 105 and Honors SAGE 206. Required of all Academy students during the Fall Term.

Honors 361 Junior/Senior Seminar in Honors (3 credits)

A capstone experience for students in the General Honors Program. A required integrative paper drawing together the learning and experiences encountered in the Honors Program will be written. Appropriate additional seminar readings building on the content of the SAGE World Cultures sequence is required. Normally taken in the Fall Term of the junior year.

HUMANITIES

190, 290, 390, 490 Special Studies in Humanities (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Humanities (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Humanities (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student

with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Humanities (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

LITERATURE

209 Survey of The Literature of the United States (3 credits)

An overview of American literature from Colonial times through the present.

210 Classics of the Western Literary Tradition (3 credits)

Studies in the major formative classics of the West. Emphasis will be on the continuing significance of these texts for understanding the human condition.

211 Masterpieces of English Literature (3 credits)

A survey of major works of English literature. Readings will generally be drawn from Beowulf, Chaucer, Spenser, Milton, Donne, Dryden, Pope, Johnson, Wordsworth, Shelley, Keats, and Browning. Special attention will be given to the themes of perennial interest, such as love and death, man and woman, freedom and servitude.

309 Modern Novel (3 credits)

A study of representative novels of the 20th century. Analysis of novels by Lagerkvist, Gide, Mauriac, Camus, Bernanos, Silone, Paton, Unamuno, and Greene. Prerequisite: junior standing or permission of instructor.

339 Japanese Fiction and Film (3 credits)

A course designed to familiarize students with the Japanese culture and aesthetic through 20th century novels and motion pictures. Among writers stressed will be Kawabata, Tanizake, Mishima, Abe, and Oe and filmmakers Kurosawa, Hani Ozu, and Ichikawa.

342 Women Writers of the South (3 credits)

This course provides an opportunity for study of the work of contemporary Southern women writers, such as Flannery O'Connor, Eudora Welty, Alice Walker,

and Toni Morrison. Through readings, class discussions, papers, and special projects, students will explore the achievements of these and other contemporary women writers who take seriously and use creatively their heritage as Southerners and their experience as women.

445 World Drama (3 credits)

A study of texts and staging practices from Greek and Shakespearean theatre as well as from selected non-Western genres. Class participants will gain an understanding of the theatrical traditions of distinct cultures in the historical context of the societies that spawned them.

MATHEMATICS

100 Basic Algebra (3 credits)

Although this is a three credit course, the credits do not count toward graduation. This course meets five times per week, and is offered through the Mathematics Reinforcement Lab. It is "self-paced," peer-tutored, and designed to prepare the student for Math 101. The topics will be structured to meet the individual needs of each student. Prerequisite: placement by department.

101 Intermediate Algebra (3 credits)

Although this is a three credit course, the credits do not count toward graduation. This course meets five times per week, and is offered through the Mathematics Reinforcement Lab. It is "self-paced," peer-tutored, and designed to prepare the student for Math 115. The topics covered will be structured to the individual needs of each student. Prerequisite: Math 100 or placement by department.

105 For All Practical Purposes: College Mathematics for the General Student (3 credits)

A survey of topics in modern mathematics designed for the general student. Not intended as preparation for further mathematics courses. Emphasis is on concepts and applications rather than manipulative skills. Computers will be used as a tool in this course. This course should be completed by the end of the sophomore year and may not be taken pass/fail. Not open to students who have completed, with a grade of C or better, a Mathematics course numbered 115 or higher. Does not count toward the major in Mathematics.

115 Precalculus (3 credits)

This course stresses concepts necessary for calculus, with particular emphasis on functions and their graphs, problem-solving and mathematical model-

ing, and an introduction to data analysis. This course will incorporate the use of computers and graphic calculators. This course does not count toward a major in Mathematics. Prerequisite: Math 101 or placement by department.

205 Statistics I (3 credits)

An introduction to elementary techniques of statistics while using a statistical computer package. This course emphasizes exploratory data analysis and the use of statistical inference in the study of population parameters. It includes both estimation and confidence interval testing procedures. Prerequisite: Math 100 or placement by department.

216 Topics In Discrete Mathematics (3 credits)

A study of discrete models. Topics include graphs theory—trees, Eulerian and Hamiltonian circuits, and networks; combinatorics—elementary counting principles with applications to coding and genetic codes, permutations and combinations, inclusion/exclusion principles, and recurrence relations; matrices; and Markov chains. The course emphasizes problem-solving and modeling as opposed to algorithmic techniques. It is recommended for students of the social and natural sciences, as well as for majors in Business, Education, or Mathematics. Prerequisite: Math 115 or placement by department.

221 Calculus I (4 credits)

This course meets six hours per week. Topics include functions and their graphs, limits, derivatives, continuity, extrema, antiderivatives, and first order differential equations. Emphasis is placed on concepts, modeling, and applications. Computers are used for drill and practice, as well as for experimentation with both closed- and open-ended problems, graphics, and applications. Prerequisite: Math 115 or placement by department.

222 Calculus II (4 credits)

This course meets six hours per week. Topics include techniques of integration, approximation of integrals, exponential and logarithmic functions, sequences and series of both numbers and functions, and applications such as arc length, centers of mass, area, volumes of revolution and Newton's method. Graphic calculators and computer labs are used to motivate and enhance these topics. Prerequisite: Math 221.

310 Multivariable Calculus (4 credits)

This course meets six hours per week. Vectors, analytic geometry of functions of two or three variables, partial derivatives, multiple and iterated integrals, extrema of functions of two variables, line integrals,

and Green's Theorem in the plane are topics discussed in this course. Computer labs will be used to enhance these topics. Prerequisite: Math 222.

312 Linear Algebra and Applications (4 credits)

This course meets six hours per week. It is a matrix-oriented course which proceeds from concrete, practical examples to the development of the general concepts and theory. Topics include matrix operations, systems of equations, determinants, properties of R^n , eigenvalues and eigenvectors, orthogonality, and partitioned matrices. Prerequisite: Math 222.

316 Operations Research (3 credits)

Theory and application of representative methods in operations research, including topics from linear programming, network analysis, dynamic programming, game theory, and queuing theory. Prerequisites: Math 216, Math 312, and CS 110.

325 An Introduction to Axiomatic Systems and Abstract Algebra (3 credits)

An introduction to predicate logic and methods of proof in the contextual setting of elementary group theory. Topics will include equivalence relations, semigroups, groups, subgroups, normal subgroups, and quotient groups. Prerequisite: Math 222 or permission of the instructor.

334 Dynamical Systems (4 credits)

This course meets four times per week. This is an introductory course to dynamical systems. Topics include dynamics of functions, phase portraits, tangent bifurcation, period doubling bifurcation, period doubling route to chaos, sensitive dependence, transitivity, conjugacy, and elements of fractal geometry. Among the families of functions considered are the quadratic family, the logistic family, and the tent family. Computer experiments are used to help visualize and illustrate the main concepts and to enable the students to explore further. Prerequisite : Math 222.

340 Ordinary Differential Equations: A Model Theoretic Approach (4 credits)

This course meets four times per week. Throughout this course, mathematical models are used to introduce, illustrate, and motivate various concepts. Among the topics treated are first order equations, numerical methods, second order linear equations with applications to mechanical vibrations and harmonic motion, higher order linear equations, Laplace

transform, series solutions, matrix methods for linear systems, and nonlinear systems. Computer experiments are designed to deepen understanding of concepts, and to carry the study of certain topics to further exploration. Prerequisite: Math 312, or permission of instructor.

343 Statistics ii (3 credits)

A brief review and continuation of Math 205. Emphasis is on methods (both theory and implementation) for multiple regression and analysis of variance. A statistical software package is used as appropriate. Non-parametric methods are included. Prerequisite: Math 205. Offered as needed.

350 Mathematical Modelling (4 credits)

This course meets four times per week. This course is designed for the students to analyze, interpret, and criticize a collection of mathematical models arising in ecology, economy, science, etc. The deterministic view is adopted throughout the course. Among other models, the course includes decay of pollution, radioactive decay, plant growth, simple ecosystems, economic growth, population dynamics, chemical dynamics, and traffic dynamics. Computer experiments form an integral part of this course. Prerequisite: Math 340 or permission of instructor.

401 Introduction to Numerical Analysis (4 credits)

This course meets four times per week. Polynomial approximation, numerical differentiation and integration, numerical solution of differential equations, and numerical linear algebra are some of the topics covered in this course. Emphasis is placed on error analysis. Computer programs are implemented to investigate these topics. Prerequisites: Math 312 and Math 340.

422 Abstract Algebra ii (3 credits)

This is an extension of the theory of algebraic structures including rings, fields, associative fields, etc. Associated topics such as category, morphism, isomorphism, coset, ideal, etc., are discussed. Some applications in other branches of mathematics and physics, genetics, and information theory are also included. Prerequisites: Math 312 and Math 325.

450 Real Analysis (3 credits)

This course develops the theory of calculus. Topics include topology of the real line, properties of continuous maps, sequences of functions, uniform convergence, the Riemann integral, derivatives and differential forms. Prerequisites: Math 310 and Math 325.

479 Senior Seminar (2 credits)

This course is open only to, and required of all, senior Mathematics majors, as well as of all senior Mathematics with a Concentration in Computer Science majors. The student will set up a portfolio of his or her mathematical and related work, investigate mathematical literature, and give oral and written presentations. Prerequisite: senior standing.

190, 290, 390, 490 Special Studies in Mathematics (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Mathematics (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Mathematics (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided independent Studies in Mathematics (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

MUSIC

A number of music survey courses are offered simultaneously at both the 200- and 300-levels. Only those with training in music theory and analysis (equivalent to Mus 210 AND Mus 211, or with permission of instructor) should enroll in these courses at the 300-level, since such training is necessary to complete assignments not required of 200-level students.

183 Musical Literacy (1 credit)

A computer-taught laboratory course for musicians who are not proficient at reading standard music notation. Normally taken in conjunction with Mus 210.

210 Music Theory i (3 credits)

The first course in a comprehensive four-term sequence in music theory that includes the study of melody, rhythm, harmony, form, technology, and ear training. The course considers the theoretical aspects of many musical genres, placing particular emphasis upon contemporary styles, and stresses application of theoretical lessons learned as a means to foster individual creativity. Open to all musicians. Students should have some musical experience to enroll but need not read music.

211 Music Theory ii (3 credits)

Continuation of Music 210. Prerequisite: Mus 210 or permission of instructor.

216 Contemporary Keyboard I (1 credit)

Designed for students with little or no previous experience. Emphasis is on acquisition of basic facility, especially as applicable to contemporary music. Normally taken in conjunction with Mus 211.

236/336 Jazz Appreciation (3 credits)

This course serves as an introduction to one of America's most distinctive and respected musical traditions. It traces the development of jazz from its beginning to the present day. Dixieland, swing, bop, cool and various modern styles are studied, as well as the contribution of African, European, and Latin musics to the formation of jazz. No musical experience required to enroll at the 200-level.

245/345 Music in American Popular Culture (3 credits)

A survey of American popular music from the minstrel songs of the early 19th century to contemporary popular song. Emphasis is placed upon musical styles and historical/cultural contexts. No musical experience required to enroll at the 200-level.

**248/348 Blues Appreciation
(3 credits)**

A history and appreciation of the blues in its various manifestations, from the rural blues of the Yazoo Delta to modern urban forms. Much emphasis will be placed on an understanding of cultural concomitants as expressed in the lyrics of influential artists. Students will learn to play a rudimentary form of the blues and have the opportunity to create their own original lyrics. No musical experience required to enroll at the 200-level.

272/372 Musics of Asia (3 credits)

A survey of folk, popular, and classical musics of various Asian countries, including Japan, China, India, and Indonesia. For each music examined, the historical, religious, and cultural contexts will be considered. No musical experience required to enroll at the 200-level.

273/373 Musics of Africa and Latin America (3 credits)

An exploration of various musics found in Africa and Latin America and the cultures from which these musics spring. Both traditional and modern/popular forms are considered. No musical experience required to enroll at the 200-level.

**274/374 Musics of the Celtic World
(3 credits)**

A survey of the musical traditions found among the Celtic peoples of Western Europe, including the traditions of Scotland, Ireland, Brittany, Galicia, and Wales. Discussions will consider the historical backgrounds and cultural concomitants of each music studied. Students will do extensive listening, supported by the St. Andrews "Thistle and Shamrock" archives. Guest lecturers/performers will provide additional insight into various aspects of Celtic music. No musical experience required to enroll at the 200-level.

310 Music Theory III (3 credits)

Continuation of the Music Theory sequence. Prerequisite: Mus 211.

311 Music Theory IV (3 credits)

Continuation of the Music Theory sequence. Prerequisite: Mus 310.

**316 Contemporary Keyboard II
(1 credit)**

Designed for students with some previous experience or who have taken Mus 216 and who can read standard notation. Emphasis is on acquisition of greater facility and dexterity, especially as applicable to contemporary music. Normally taken in conjunction with Mus 211.

347 Musical Improvisation (3 credits)

An introduction to the techniques and stylistic considerations associated with musical improvisation. Emphasis will be placed upon contemporary genres, with particular attention given to harmonic/scalar construction and motive development. Student should already have a firm understanding of music theory and a command of his/her instrument. Prerequisite: Mus 211 or permission of instructor.

**349 Contemporary Songwriting
(3 credits)**

An introduction to the art of composing and recording/producing contemporary music. The course begins with an overview of lyric writing and compositional technique. The student then composes a number of songs, creating a demo tape for each. Prerequisite: Mus 211.

**353 Music In the Elementary Schools
(3 credits)**

A study of the fundamentals of music and the methods and materials for teaching music in elementary schools. This course is designed for education majors in accordance with the requirements of the state of North Carolina. This class will organize into sections according to musical development, working together at least one meeting per week in examination of current classroom materials. Prerequisite: junior standing or permission of instructor.

**422 Senior Concert/Recital
(3 credits)**

Students work individually with the instructor on preparation of performance repertory, and on completion of a formal paper to accompany the senior concert/recital.

**190, 290, 390, 490 Special Studies In
Music (1-4 credits)**

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

**195, 295, 395, 495 Internships in
Music (1-4 credits)**

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

**198, 298, 398, 498 Research/
Teaching Practicum in Music
(1-4 credits)**

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

**199, 299, 399, 499 Guided
Independent Studies in Music
(1-4 credits)**

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

APPLIED MUSIC

Applied music study is open to all students at the special fee scale listed in the cost section of this catalog. Lessons are available on a half-hour or one-hour basis. Students majoring in music performance may choose as areas of concentration piano, voice, guitar, or bagpipes. Lessons on other instruments may be available.

Drums and Percussion

085 Non-Credit Lessons in Drums and Percussion (0 credits) Half-hour lesson.

086 Non-Credit Lessons in Drums and Percussion (0 credits) One-hour lesson.

Half-hour lessons (1 credit each)

185 First Level of Lessons

285 Second Level of Lessons

385 Third Level of Lessons

485 Fourth Level of Lessons

One hour lessons (2 credits each)

186 First Level of Lessons

286 Second Level of Lessons

386 Third Level of Lessons

486 Fourth Level of Lessons

Guitar and Bass

045 Non-Credit Lessons in Guitar and Bass (0 credits) Half-hour lesson

046 Non-Credit Lessons in Guitar and Bass (0 credits) One-hour lesson.

Half-hour lessons (1 credit each)

145 First Level of Lessons

245 Second Level of Lessons

345 Third Level of Lessons

445 Fourth Level of Lessons

One hour lessons (2 credits each)

146 First Level of Lessons

246 Second Level of Lessons

346 Third Level of Lessons

446 Fourth Level of Lessons

Keyboard

065 Non-Credit Lessons in Keyboards (0 credits) Half-hour lesson.

066 Non-Credit Lessons in Keyboards (0 credits) One-hour lesson.

Half-hour lessons (1 credit each)

165 First Level of Lessons

265 Second Level of Lessons

365 Third Level of Lessons

465 Fourth Level of Lessons

One hour lessons (2 credits each)

166 First Level of Lessons

266 Second Level of Lessons

366 Third Level of Lessons

466 Fourth Level of Lessons

Organ

075 Non-Credit Lessons in Organ (0 credits) Half-hour lesson.

076 Non-Credit Lessons in Organ (0 credits) One-hour lesson.

Half-hour lessons (1 credit each)

175 First Level of Lessons

275 Second Level of Lessons

375 Third Level of Lessons

475 Fourth Level of Lessons

One hour lessons (2 credits each)

176 First Level of Lessons

276 Second Level of Lessons

376 Third Level of Lessons

476 Fourth Level of Lessons

Voice

055 Non-Credit Lessons in Voice (0 credits) Half-hour lesson.

056 Non-Credit Lessons in Voice (0 credits) One-hour lesson.

Half-hour lessons (1 credit each)

155 First Level of Lessons

255 Second Level of Lessons

355 Third Level of Lessons

455 Fourth Level of Lessons

One hour lessons (2 credits each)

156 First Level of Lessons

256 Second Level of Lessons

356 Third Level of Lessons

456 Fourth Level of Lessons

Winds and Pipes

095 Non-Credit Lessons in Winds and Pipes (0 credits) Half-hour lesson.
 096 Non-Credit Lessons in Winds and Pipes (0 credits) One-hour lesson.

Half-hour lessons (1 credit each)

195 First Level of Lessons

295 Second Level of Lessons

395 Third Level of Lessons

495 Fourth Level of Lessons

One hour lessons (2 credits each)

196 First Level of Lessons

296 Second Level of Lessons

396 Third Level of Lessons

496 Fourth Level of Lessons

ENSEMBLES

Ensembles are open to all students of the college. Students enrolled in performing organizations are required to participate in all performances of those organizations.

003 Eclectic Ensemble (1 credit)

Primarily for those enrolled in the Creative/Contemporary Music program. Serves as a vehicle for the performance of original works and hands-on application of styles/techniques learned in advanced Music Theory courses.

006 Beginning/Intermediate Bagpipe Band (1 credit)

An ensemble for less experienced performers and for those who have taken WT Introduction to Bagpipe Music.

007 Madrigal (1 credit)

A mixed group of *a capella* singers, selected by audition, dedicated to performing a variety of choral literature. Multiple performances are scheduled throughout the year, both on- and off-campus.

008 Japanese Festival Ensemble (1 credit)

Dedicated to the authentic performance of traditional music and dance associated with Shinto festivals as found in Tokyo. The ensemble is open to all St. Andrews students; no musical experience is necessary.

009 St. Andrews Bagpipe Band (1 credit)

Open to experienced pipers, drummers, and Scottish dancers by audition. Band prepares selected repertoire for performance and competition.

NATURAL SCIENCE**190, 290, 390, 490 Special Studies in Natural Science (1-4 credits)**

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Natural Science (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Natural Science (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Natural Science (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

PHILOSOPHY**100 Introduction to Philosophy (3 credits)**

Consideration of basic problems, such as the nature of reality, the possibilities of human understanding, the relation of the mind to physical existence, the difference between right and wrong, the relation between the individual and society. Recommended as a first course in philosophy.

210 Introduction to Logic (3 credits)

A study of traditional and Aristotelian logical structures and categories including the necessary compo-

nents of an argument, analyses presented in ordinary language, recognition of arguments containing informal fallacies, and inductive or inferential processes.

212 Ethics (3 credits)

An introduction to moral reasoning which focuses on a variety of contemporary moral problems such as abortion, euthanasia, the treatment of animals, social justice, and capital punishment. Students will learn to clarify and defend their views on such issues, and they will deepen their understanding of the nature of morality.

213 Aesthetics (3 credits)

A study of the philosophy of the fine arts. The course will examine such issues as what standard, if any, we use when we judge something beautiful, whether beauty and truth are related, whether the same standards of criticism apply to all the arts, and what happens when we come to appreciate a work of art.

214 Philosophy of Religion (3 credits)

A survey of the various philosophical investigations of religious experience and truth claims. Rational, empirical, existential, and analytic approaches will be explored for their answers to a number of problems, such as the basis for religious truth claims, the relationship of religious truth to historical and scientific truth, the validity of arguments for the existence and nature of God, and the differences between Eastern and Western religious thought.

216 Existentialism (3 credits)

The philosophy of existence, studied through the works of such thinkers as Kierkegaard, Heidegger, Nietzsche, Sartre, and Jaspers. Existentialism in its influence in political theory, literature, and the fine arts is also treated.

217/317 Philosophy of Mind (3 credits)

A critical examination of various problems relating to the nature of our minds and our mental states. Topics to be discussed include the emotions, the unconscious, perception, and the relation of the mind to the body. Recommended for students in psychology and biology who want to reflect on the conceptual problems generated by research in these disciplines.

218 Social and Political Philosophy (3 credits)

An examination of the theories of society which are original and most influential. The course emphasizes the essential structures of these theories, which are

contemporary as well as classical. Both problem-oriented and historically-oriented methodologies will be used in the study.

227/327 Religions and Philosophies of the East (3 credits)

An introduction to the basic beliefs and practices of several of the religious and philosophical traditions of the non-Western world in the light of their historical origins and developments and with attention given to their continuing significance for understanding world culture and international events today. At least three of the following will be studied: Hinduism, Buddhism, Taoism, Confucianism, and Islam.

231 Business Ethics (3 credits)

An analysis of the different positions people take on the moral issues involved in the conduct of business. Topics such as work safety standards, preferential hiring, responsibility for the environment, truth in advertising, government regulation, and consumer rights will be examined. In addition, the course will study several important theories of economic justice.

241 Philosophical Issues in Mass Communications (3 credits)

An investigation of the impact of electronic communications on our thought processes. Attention will be paid to recent historical shifts in the way we think about nature, personal relationships, vocation, social conformity, and moral value; to the connection between technological developments in media and "postmodernism"; and to the future impact instantaneousness is likely to have on our awareness and on our social configurations.

246 Environmental Philosophy (3 credits)

An exploration of ethical and conceptual problems arising out of humans' relation to nature. Topics include the value of wilderness, the concept of nature, our obligations towards other animals, deep ecology, and ecofeminism. In addition to developing reasoned views on such topics, students will acquire a basic understanding of major environmental problems.

301 The Beginnings of Philosophy (3 credits)

The history of Hellenic and Hellenistic philosophy from its beginnings in myth and religion. Emphasis upon the major thinkers and movements of the Greek world, beginning with the pre-Socratics, and concluding with philosophy in Roman times. Concentration upon Plato and Aristotle.

302 Jewish, Christian and Islamic Philosophy (3 credits)

A study of philosophy as created by Jewish, Christian and Islamic cultures and of the problems posed for philosophy by the monotheistic faiths. This course will consider the background and contribution of such men as Augustine, Anselm, Averroes, Maimonides and Thomas Aquinas. Several modern thinkers in these religious traditions will also be considered.

303 Modern Philosophy and Scientific Revolutions (3 credits)

A study of the impact of modern science on Western philosophy and the response of major thinkers to change in views of the world and humanity. The course concentrates on the major figures from Descartes to Kant.

304 Recent Philosophy and the Technological Revolutions (3 credits)

A study of the impact of the industrial and post-industrial revolutions on philosophy and the reaction of philosophers of the 19th and 20th centuries to historicism and social change.

315 Philosophy of Science (3 credits)

A systematic and critical study of the methodologies of the social and natural sciences, including an analysis of their presuppositions, sources, concepts, and aims. The course also examines problems about the intellectual and ethical limitations of science: To what extent does science give us objective knowledge and to what extent should research be restrained on ethical grounds? Recommended for students in the humanities and sciences who wish to reflect on the scientific enterprises.

323 Marxian Political Analysis (3 credits)

Introduction to traditional Marxian theories and their historical and contemporary restatement and reinterpretation. Emphasis on basic texts from the writings of Marx through those of Lenin and Mao to the Frankfurt school, socialist-feminists, and activists in the non-Western world. Analysis of contemporary national and international events from a variety of Marxian perspectives.

333 Philosophy of Law (3 credits)

An analysis of the major philosophical issues concerned with legal concepts such as "liberty," "justice," "responsibility," and "law" itself. The course will study historically significant treatments of these topics as well as current discussion of them. Prerequisite: at least one course in philosophy.

335 Theory of Knowledge (3 credits)

An investigation of fundamental questions pertaining to the nature of truth, knowledge, and perception. Material will be drawn primarily from contemporary authors such as Chisholm, Kuhn and Quine; but it will be placed in the context of the traditional theories of knowledge advanced by Descartes, Hume and Kant.

347 Metaethics and the Meaning of Life (3 credits)

A survey of different approaches to answering questions about the meaning of life will lead to a systematic study of the nature of value, focusing on questions about the objectivity and relativity of value. Specific topics will include approaches to value conflict, the nature of integrity, commitment to value, and compromise. Prerequisite: one course in philosophy.

403 Phenomenology (3 credits)

A study of 20th century French and German philosophy from Husserl to Sartre and of the American philosophers influenced by this method of philosophical description. We will explore applications of phenomenology to a wide variety of fields (e. g., the social sciences, psychology, art history, and ethnology) and evaluate its contribution to learning in those fields.

434 Contemporary Anglo-American Philosophy (3 credits)

An investigation of the main currents of Anglo-American thought in this century. We will read Russell, Wittgenstein, Ayer, James and others, and focus on the central questions they addressed: What is the nature and function of language? What is understanding? What is the nature and purpose of philosophy?

442 Junior/Senior Seminar (1 credit)

A one-credit seminar course for majors and minors in which students will read and discuss some new, important contribution to philosophy, usually a recent book by a well-known philosopher. This course will enable students to relate their philosophical knowledge to ideas which are on the cutting edge of contemporary philosophy.

190, 290, 390, 490 Special Studies in Philosophy (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course.

Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Philosophy (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Philosophy (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Philosophy (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

PHYSICAL EDUCATION AND SPORTS MEDICINE

Selected activity courses carry a fee.

ACTIVITY COURSES

100 Concepts of Lifetime Wellness (2 credits)

200 Adapted Physical Education (1 credit)

210 Swimming (1 credit)

211 Tennis (1 credit)

212 Golf (1 credit)

213 Soccer (1 credit)

215 Volleyball (1 credit)

223 Beginning Weight Training (1 credit)

225 Racquetball (1 credit)

232 Softball (1 credit)

245 Advanced Tennis (1 credit)

246 Advanced Weight Training (1 credit)

255 Lifesaving (1 credit)

261 Position Class (1 credit)

262 Position and Control I (1 credit)

263 Position and Control with Introduction to Jumping (1 credit)

264 Jumping Fundamentals (1 credit)

***265 Intercollegiate Sports (1 credit)**

266 Riding Courses (1 credit)

267 Showing Hunters (1 credit)

268 Introduction to Schooling Horses (1 credit)

269 American Red Cross Lifeguard Instructor (1 credit)

270 American Red Cross Water Safety Instructor (1 credit)

274 Open Water Scuba (1 credit)

275 Advanced Open Water Scuba Diver (1 credit)

276 Rescue Scuba Diver (1 credit)

280 Aquatics/Outdoor Recreation Activities (1 credit)

290 Special Offerings in Physical Education Activities (1 credit)

**PE 265 may be taken to satisfy the Health and Physical Education breadth requirement. Students who participate in sports that span two regular term may register for PE 265 one term only. A maximum of 5 PE activity credits may be counted toward graduation requirements*

PHYSICAL EDUCATION AND SPORTS MEDICINE

210 Personal and Community Health (3 credits)

This course promotes a better understanding of the important health needs of the individual and community. Also, the principles and applied techniques of first aid and cardiopulmonary resuscitation for home, school, and community are provided. Red Cross Certification in first aid and CPR will be attainable. A nominal fee payable to the Red Cross will be charged to cover costs of books and certification.

231 Foundations and Principles of Physical Education and Sport (3 credits)

This course focuses on the foundations and principles relating to the history, philosophy, profession, and discipline of physical education and sport in the United States. Career opportunities in physical education and sport are explored.

233 Methods of Teaching Physical Education in the Elementary School (3 credits)

Methods and content for teaching physical education in grades K-5 are the focus of this course. Emphasis is placed on teaching fundamental motor skills, health-related fitness, dance, tumbling, and human movement. Two hours of lecture and one hour of laboratory per week.

235 Principles of Adapted Physical Education (3 credits)

An introduction to physical education and sport for the exceptional student. Special emphasis is placed on understanding the physical, mental, and emotional needs of the participant. Methods for adapting activities and programs to accommodate the needs of the exceptional student in physical education and sport are applied. Two hours of lecture and one hour of laboratory per week.

236 Basic Techniques in Athletic Training (3 credits)

An introduction to the basic principles and techniques applied in the prevention, treatment, and rehabilitation of athletic injuries. Students are acquainted with athletic training, emergency medical treatment, equipment, and supplies.

240 Stable Management and Horse Husbandry (3 credits)

A review and practice of basic horse care tasks, and a discussion of farm and stable management practices. The course aims at preparing the student to be able to properly care for horses and to successfully manage a small stable.

241 Horse Science (3 credits)

A study of the horse's functional anatomy, common ailments, and parasites, with special emphasis placed on conformation and movement, as well as the skeletal, muscular, and digestive systems.

257 Divemaster (3 credits)

This course requires 24 hours of academic work, 8 hours of CPR and First Aid training, 25 hours of confined water training, 6 hours of specialized skill training, 48 hours of open water instruction supervised by an advisor, and 8 hours of underwater map

design. To receive three hours of credit, a student would need to complete the Professional Association of Diving Instructors' Certification (PADI) requirements while a student at St. Andrews College. Fee required for course. Prerequisites: PADI Open Water, Advanced Water, Rescue Diver, and Medic First Aid Certifications.

259 Skill Analysis: Individual-Team Sports (2 credits)

Opportunities to practice, teach, and analyze basic skills and strategies used in the various sports covered.

261 Skill Analysis: Gymnastics and Dance (2 credits)

A course designed to introduce the content and methods for instructing gymnastics and dance courses. Training principles for teaching various forms of dance, and gymnastics, as well as conditioning for these skills are presented through lecture and activity.

331 Evaluation in Physical Education (3 credits)

Various psychomotor, fitness, and health-related tests are examined in this course. Using a word processor, both written and skills tests are prepared and administered. Elementary statistical techniques that are used to analyze and interpret performance scores are introduced. Prerequisite: junior or senior standing.

333 Methods of Teaching Physical Education in The Secondary School (3 credits)

This course is designed to introduce the content and methods recommended for planning and teaching physical education in the secondary school. The managerial, teaching, and observational skills needed to establish an effective learning environment in physical education are also introduced and practiced. Prerequisite: junior or senior standing.

334 Motor Control and Learning (3 credits)

An overview of the processes by which simple and complex motor skills are learned, performed, and controlled is provided in this course. The roles of attention, memory, practice, motivation, and stages of learning are considered as performers acquire motor skill proficiency. Prerequisites: Psy 201 and junior or senior standing.

335 Foundations of Sport Management (3 credits)

Negotiations, legal aspects, decision-making/problem-solving, budgeting, human relations, planning,

organizing, facility planning and management, ethics, and leadership styles associated with managing a sport-related business are covered in this course.

340 Equine Business Management (3 credits)

A course designed to develop an understanding of business practices directly related to starting and operating an equine establishment. This course includes material from accounting, marketing, and management.

341 Preparation for ANRC-Rated Rider Testing (3 credits)

This course will prepare the student to take the ANRC-Rated Rider Examination to determine the individual's level of riding.

342 Form to Function: Principles of Judging and Selecting Hunters (3 credits)

This course provides the student with an understanding of equine conformation, mechanics of gaits, and possible unsoundness. Also taught is a system for judging horses on the line and in performance so the student will be to select a horse suitable to a particular function and competently judge conformation and performance classes.

351 Advanced Techniques in Athletic Training (3 credits)

The organization and administration of an athletic training program, injury rehabilitation, and the use of modalities and pharmacology in sport are covered in this course. Techniques for injury evaluation are reviewed and practiced. Prerequisite: HPS 236.

361 Methods of Teaching Health in the Schools (3 credits)

The organization and administration of the school health program is covered through observations and classroom and field experiences. Prerequisite: HPS 210.

368 Sport Sociology (3 credits)

The study of the role of sport in society and how sport influences and is influenced by religion, economics, and mass media. Current issues in sport, such as violence, women in sport, big business, recruiting, drugs, and ethics, are examined.

402 Exercise Physiology (3 credits)

The effects of exercise on systems of the body are examined in this course. Primary emphasis will be on the body's physiological responses to conditions that produce acute and chronic change. Prerequisite: Bio 207.

410 Organization and Administration of Physical Education and Sport (3 credits)

This course is concerned with planning, organizing, coordinating, staffing, and budgeting sport and physical education programs. Contemporary problems and issues are studied. Prerequisite: junior or senior standing.

434 Kinesiology (3 credits)

A course in the study of neuromuscular and mechanical principles of human motion with application of skill analysis to the improvement of performance. Prerequisite: Bio 207.

440 Introduction to Contemporary Riding and Teaching (3 credits)

This course develops a working knowledge of the principles, techniques, and theories of modern riding through the intermediate levels. Qualified students will be prepared to take a National Riding Commission Related Rider Examination.

451 Biomechanics (3 credits)

Application of the principles of mechanics to the investigation of human motion and to improving performance in physical education and fitness/sports activities. Prerequisite: HPS 434.

453 Nutrition for Sport and Activity (3 credits)

Examines the relationship between nutrition and fitness/sports performance: basic nutrition, physiology, chemistry, psychology, and food preparation as applied to fitness/sports events. Prerequisite: HPS 210.

455 Therapeutic Modalities (3 credits)

How and why therapeutic modalities are best used in the rehabilitation of sports injuries; their physiological basis, clinical applications, and techniques. Prerequisites: HPS 351, HPS 402, and HPS 434.

190, 290, 390, 490 Special Studies In Physical Education and Sports Medicine (1-3 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships In Physical Education and Sports Medicine (1-3 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

398, 498 Research/Teachlng Practicum In Physical Education and Sports Medicine (1-3 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

399, 499 Guided Independent Studies in Physical Education and Sports Medicine (1-3 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

and pre-engineering students. Three hours of lecture and three hours of laboratory per week. Prerequisites: Phys 211 and Math 222.

POLITICS

201 introduction to American Government (3 credits)

An introduction to politics in the United States and to political science as a discipline. Designed to: 1) develop a heightened understanding of how the American political system works, 2) stimulate an awareness of the strengths and weaknesses of American government, 3) encourage the development of each student's own political perspective, and 4) assist students to be more effective political actors.

211 Introduction to International Politics (3 credits)

A study of the political relations of nations and other actors in the international system and the changes occurring in the world order. Case studies, debates, and simulations are used to explore historical, present, and preferred future global systems.

218 Social and Political Philosophy (3 credits)

An examination of the theories of society which are original and most influential. The course emphasizes the essential structures of these theories, which are contemporary as well as classical. Both problem-oriented and historically-oriented methodology will be used in the study.

231 Introduction to Law (3 credits)

An introduction to selected topics on politics and the law: such as the role of lawyers in the legal system, judicial decision-making, issues in criminal law, litigation and liability, legal philosophy and reasoning, the selection and functioning of juries, comparative legal systems, and police and criminal investigation. Designed specially for persons considering a career in law and law enforcement. Direct observation of the criminal and legal systems.

248/348 Politics of Communications (3 credits)

A political analysis of selected topics in media and communications such as public opinion, fairness and bias in reporting, law and cases relating to speech and press, the politics of personal communications, and the politics of image formation.

266/366 Politics of Sex (3 credits)

An exploration of the political nature of the roles and relationships of males and females in the United

PHYSICS

201 College Physics I (4 credits)

Basic concepts in the classic fields of mechanics, sound, heat, electricity, magnetism, and light, plus a brief introduction to modern physics. Three hours of lecture and three hours of laboratory per week. Prerequisite: an average background in high school mathematics will be needed.

202 College Physics II (4 credits)

Basic concepts in electricity, magnetism, and light, plus a brief introduction to modern physics. Three hours of lecture and three hours of laboratory per week. Prerequisite: Phys 201.

211 General Physics I (4 credits)

The fundamental laws of mechanics, sound, and heat presented at a level appropriate for students planning careers in science or pre-engineering. Three hours of lecture and three hours of laboratory per week. Prerequisite: Math 221.

212 General Physics II (4 credits)

The basic principles of electricity, magnetism, and optics. Presented at a level appropriate for science

States and other cultures and countries. The analysis of human sexual conduct and reproductive biology from a political perspective. Contemporary understandings and theories of human sexual behavior from sociobiology through contemporary feminists.

276 Politics of Behavior (3 credits)

An introductory exploration of the political dimensions of everyday behavior in such settings as the family, museums, mental institutions, factories, the media, and the armed services and in relationships as between lovers, therapist and client, doctor and patient, child and parent, and minister and congregation. Analysis of why and how people obey or disobey.

278 Politics of Non-Western Areas (3 credits)

An introduction to comparative politics of selected countries in Latin America, West Asia, Africa, and Asia. Historical and geographical knowledge will be encouraged as a foundation for understanding contemporary events and developments in the non-Western world through analysis of such factors as political culture, classes and groups, leaders, policies, and governmental institutions.

291/491 Honors Seminar (3 credits/3 credits)

May be taken as Pol 291 in the sophomore year and as Pol 491 in the senior year. Admission by nomination of the politics faculty. This course may be taken more than one term for credit.

305 The American Presidency in Historical Perspective (3 credits)

An explanation of the office, roles, and powers of the American presidency in historical and comparative perspective. Attention to key events in the development of American national political institutions with special reference to relationships among the Presidency, Congress, and the courts. Emphasis on primary sources.

323 Marxian Political Analysis (3 credits)

Introduction to traditional Marxian theories and their historical and contemporary restatement and reinterpretation. Emphasis on basic texts from the writings of Marx, through those of Lenin and Mao, to the Frankfurt school, socialist-feminists, and activists in the non-Western world. Analysis of contemporary national and international events from a variety of Marxian perspectives.

333 Philosophy of Law (3 credits)

An analysis of the major philosophical issues con-

cerned with legal concepts such as "liberty," "justice," "responsibility," and "law" itself. The course will study historically significant treatments of these topics as well as current discussions of them. Prerequisite: at least one course in Philosophy.

339 War and Peace (3 credits)

A study of the historical, psychological, and social roots of war and the factors associated with more peaceful relationships. Problems of research in peace and conflict studies are examined. Areas investigated include: theories of war, diplomacy, alliance systems, international organization, arms control, disarmament, and conflict regulation. A field research project is required. The course is especially appropriate for Politics majors interested in international studies and for students in other fields who have interests in these topics.

342 Foreign Policy Processes (3 credits)

A detailed study of the behavior of individuals, interest groups, bureaucracies, and branches of government associated with the process of foreign policy making. The course examines the historical setting of foreign policy, and the role of articulated goals and political cultures in shaping perspectives and actions. Case studies, debate, and simulation are used. Individual research projects are required.

351 Modern Middle East (3 credits)

This course will examine the historic roots of the modern civilization of the Middle East. Among the topics examined will be the nature of the Ottoman Empire, the culture and politics of Islam, and historic developments in the region since World War I.

356 Asian Politics (3 credits)

A study of the political structures and processes of change in Asian societies. A rigorous examination of the literature and theories of modernization, political economy, and political development, with case studies of selected Asian countries will be conducted.

357 African Politics (3 credits)

A comparative analysis of the politics, history, and culture of Africa.

362 Constitutional Law (3 credits)

A study of the Constitution of the United States and the major historical and contemporary cases interpreting the Constitution. Emphasis on the historical context development of Constitutional Law, and the role of the Supreme Court and Constitutional law in American politics. Primary course material will be Supreme Court cases.

371 The United States and the Vietnam War (3 credits)

This course examines the United States' involvement in the Indo-Chinese conflicts that began with World War II and continue to the present day. The focus of the course will be the years 1954-1973, a period when the United States was a key player in the events in Southeast Asia, and in Vietnam in particular. The effects on the homefront, where the war shaped much of the cultural, social, and political history of the United States in the 1960s will also be covered.

375 Comparative Political Ideologies (3 credits)

A study of the major ideologies of the modern world. Some of the ideologies to be examined are classical liberalism, traditional conservatism, socialism, fascism, orthodox Marxism, feminism, post-modernism, fundamentalism, and liberation theology.

190, 290, 390, 490 Special Studies in Politics (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Politics (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum In Politics (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Politics (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

PSYCHOLOGY**201 Introduction to Psychology (3 credits)**

An introduction to the basic concepts, methods, issues, and theories of psychology, including such topics as the biological bases of behavior, perception, learning and memory, human development, motivation, personality, social influences, and pathological behavior. Psy 201L must also be taken to meet the Laboratory Science breadth requirement.

201L Introduction to Psychology Laboratory (1 credit)

Research, demonstrations, and other opportunities for direct experience with the concepts studied in Psy 201. Co-requisite: Psy 201 or permission of instructor.

202 Research Methods in Psychology (3 credits)

A study of the methods of research design employed in psychology. This course includes discussion of appropriate methodology for conducting research in psychology and its related fields. Prerequisite: Psy 201 and Psy 201L, or permission of instructor. Pre-requisite or co-requisite: Math 205.

202L Research Methods Laboratory (1 credit)

Experimental investigations of selected topics applying research methods and statistical analyses presented in Psy 202. Co-requisite: Psy 202.

210/310 Religion and Psychology: A 20th Century Dialogue (3 credits)

An exploration of the relationship between religion and psychology articulated through selected representative theologians and psychologists in the 20th century. Following a brief general orientation to the subject, the course will focus mainly upon the interchange between Protestant forms of the Christian faith and the Freudian, Jungian, Humanistic, Transactional Analytic, and Behavioristic schools of psychology.

230/330 Drugs and Behavior (3 credits)

An examination of the ways in which drugs influence the body to produce their effects on behavior and mental processes. This course will introduce students to the biochemical and physiological systems that mediate the effects of drugs on the behavior of humans and animals. It will also include discussions of the influence of drug use and abuse on the individual and society. A library research paper is re-

quired at the 300-level. Prerequisite: Psy 201 or permission of instructor.

Psy 231 Personality in Social Context (3 credits)

A survey of theory and research concerning the behavior of individuals in social context. The course provides a general introduction to personality and social psychology. It examines how the behavior of individuals is affected by their social environment and how differences in personality may lead individuals to select, interpret, and respond to social situations in different ways. Applications of principles from personality and social business, education, and communications. Prerequisite: none, though Psy 201 is highly recommended.

Psy 232 Biopsychology, Learning, and Motivation (3 credits)

A survey course designed to familiarize students with the methods and findings of research in learning, motivation, and the biological bases of behavior. The course will cover such topics as classical and operant conditioning, theories of animal and human motivation, nervous and endocrine system structure and function, and biological processes controlling animal and human behavior and mental processes. Prerequisite: Psy 201.

233/333 Psychology of Gender (3 credits) each

A study of the development of and the significance of the psychological features our culture associates with the categories female and male. The course will examine the biosocial context in which social categories associated with sex and gender develop.

243 Perception and Cognition (3 credits)

A survey course intended to develop knowledge and comprehension in psychophysics, perception, attention, memory, language, and thought. This course examines conceptual and research foundations in these areas. Prerequisite: Psy 201 or permission of instructor.

Psy 245 Behavior Pathology and Therapy (3 credits)

An investigation of the factors, processes, and conditions which cause personality deviations. Also, abnormal behavior patterns are identified and appropriate therapeutic techniques are considered. Prerequisite: Psy 201 or permission of instructor.

303 Developmental Psychology (3 credits)

A general survey of change during the lifespan of the individual, from conception to death. The course

of development is described, and biological, cognitive, and psychosocial determinants of change are explored. Prerequisites: Psy 201 and Psy 202, or permission of instructor.

305 History and Systems of Psychology (3 credits)

A study of the history of psychology and the approach of the various systems of psychology to the human and animal behavior. Prerequisites: Psy 201 and 202, or permission of instructor.

314 Counseling Psychology (3 credits)

The purposes, processes, organization of, and resources for counseling are considered. Special attention will be given to understanding and dealing with adjustment problems, including consideration of some case studies and a practicum in counseling techniques. Prerequisite: Psy 201 and Psy 245, or permission of instructor.

335 Organizational Behavior (3 credits)

Integrates the study of social psychology and management, and applies knowledge from these areas to understand behavior of individuals working together in groups. Topics include leadership and power, group decision-making, communication, conflict resolution, motivation, and group socialization and development. Using lecture, discussion, case study, and simulation methods, the course will encourage students to apply principles to specific organizations. Prerequisites: One course in Psychology, and B/E 120 or B/E 325.

345/445 Junior/Senior Seminar In Psychology (1 credit)

A one-credit seminar for Psychology majors and minors in which students will read and discuss new, important writings in psychology. This course will enable students to relate their knowledge to ideas which are currently topics of debate in psychology. May be taken twice for credit.

360 Psychological Evaluation and Assessment (3 credits)

A survey of the concepts, techniques and instruments for the assessment of personal needs and potential. Special emphasis is placed on applications to teaching the emotionally handicapped and the gifted and talented students. Prerequisites: Psy 201 and Math 205, or permission of instructor.

360L Psychological Evaluation/ Assessment (3 credits)

Students will administer, take and score various evaluation instruments in intelligence, personality,

academic achievement, and other areas. Co-requisite: Psy 360.

391/491 Junior/Senior Honors in Psychology (3 credits)

Admission by nomination by the department faculty. May be taken twice for credit.

403 Gerontology (3 credits)

Gerontology is a comprehensive and systematic study of aging; it is a multidisciplinary study of changes that occur with age in the biological, cognitive, and psychosocial domains of the individual. Current research, theories, and applications are the focus of the course. Using lecture, discussion, community contact, field trips, and projects, the course encourages the perspective that aging can occur with quality and dignity. Prerequisite: permission of instructor.

430 Biopsychology (3 credits)

Advanced study of the theories in, research on, and methods of biopsychology, which may include such topics as biological control of reproductive behavior, the sleep-wake cycle, learning and memory, language, and human behavioral disorders, among others. Prerequisite: Psy 232 or permission of instructor.

430L Biopsychology Laboratory (1 credit)

Co-requisite: Psy 430.

431 Social Psychology (3 credits)

Advanced study of the effects of social and cultural context on the behavior of individuals. In-depth study may include topics such as social cognition, attitude formation and change, conformity, cooperation and competition, aggression, altruism, power, interpersonal relationships, and environmental psychology. Prerequisites: Psy 201 and Psy 231, or permission of instructor.

431L Guided Research in Social Psychology (1 credit)

Research seminar to accompany or follow Psy 201, Psy 201L, Psy 202, Psy 202L, and Psy 231.

432 Cognitive Psychology (3 credits)

Study of theories and research findings in the area of cognitive sciences, including topics such as information-processing approaches to perception; language acquisition, reading, and semantics; concept formation, applications, memory, and problem-solving; and creativity. Major objectives are analysis and synthesis of research data and evaluation of both empirical results and theories. Prerequisites: Psy 201,

Psy 202, Psy 243, and Math 205; or permission of instructor.

432L Cognitive Psychology Laboratory (1 credit)

Demonstration and exercises on topics in cognitive science. An empirical term project is required. Co-requisite: Psy 432.

433 Personality Theory and Research (3 credits)

Advanced study of current and classic theories of personality and advances in personality research. Prerequisite: Psy 201 or permission of instructor. Psy 231 is highly recommended.

433L Guided Research in Personality (1 credit)

Research seminar to accompany or follow Psy 433. Students enrolled in this course will complete original research in personality. Prerequisites: Psy 201, Psy 201L, Psy 202, and Psy 202L.

434 Perception (3 credits)

Focused examination of theories and research in perception, with major aims being analysis and synthesis of research data and evaluation of empirical studies and theories. Overview of the sensory systems, of advanced methodologies as applied to sensory-perceptual processes, as well as of selected topics of special interest. Prerequisites: Psy 201, Psy 202, Psy 202L, Psy 243, and Math 205; or permission of instructor.

434L Perception Laboratory (1 credit)

Demonstrations and exercises based on methods and findings in human experimental psychology. An empirical term project is required. Co-requisite: Psy 434.

435 Clinical Psychology (3 credits)

An introduction to the field of clinical psychology, with an emphasis on diagnosis, evaluation, and assessment. An examination of intervention strategies, development of treatment plans, and clinical techniques. Prerequisites: Psy 201, Psy 201L, Psy 202, Psy 202L, and Psy 245; or permission of instructor.

436 Advanced Research Methods in Psychology (3 credits)

A continuation of Psy 202 with special emphasis upon advanced experimental designs and statistics used in research in psychology. Prerequisites: Psy 201, Psy 201L, Psy 202, Psy 202L, and Math 205; or permission of instructor.

436L Advanced Research Methods**Laboratory (1 credit)**

Application of advanced research methods studied in Psy 436 to an original research project designed and conducted by the student. Co-requisite: Psy 436. Prerequisites: Psy 201, Psy 201L, Psy 202, Psy 202L, and Math 205; or permission of instructor.

190, 290, 390, 490 Special Studies in Psychology (1-4 credits)

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195, 295, 395, 495 Internships in Psychology (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/**Teaching Practicum in Psychology (1-4 credits)**

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Psychology (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

RELIGION**100 Quest for Religious Meaning (3 credits)**

The field of religion explores the ultimate questions of human being, meaning, and value. How did the world come to be as it is? Why is there pain and suffering? Is there a plan for individual life, for human history, for the world? Is the cosmos in which

we live fundamentally hostile, neutral, or caring and supportive of our being? This course examines a variety of methods used for responding to such questions within the academic study of religion. It inquires into major themes of various religions and addresses critical issues in religion and ethics with regard to their impact upon our lives today. Recommended as a first course in religious studies, Quest is taught by the staff of the department as well as guest lecturers and discussion leaders invited from related disciplines.

202 The Christian Story (Introduction to Christian Beliefs) (3 credits)

The Christian story offers a powerful account of how God has chosen to relate to human beings from our original creation through our history of alienation to our climactic atonement and reconciliation with the divine. This course explores the network of beliefs interwoven with that story, examining different ways in which the key doctrines of Christianity—its central characters, settings, and plot—have been interpreted in narrative form.

209 The Bible Today (3 credits)

This course is an introduction to the Bible as a whole and to biblical studies as an academic discipline. The cultural background, major events, sources, literary genres, persons, themes, and beliefs of both the Old Testament and the New Testament will be explored through the study of representative sections of the biblical text and the use of secondary sources. The widely accepted methods of current biblical scholarship will be employed.

210/310 Religion and Psychology: A 20th Century Dialogue (3 credits)

An exploration of the relationship between religion and psychology articulated through selected representative theologians and psychologists in the 20th century. Following a brief general orientation to the subject, the course will focus mainly upon the interchange between Protestant forms of the Christian faith and the Freudian, Jungian, Humanistic, Transactional Analytic, and Behavioristic schools of psychology.

213 Social Issues in Ethical and Religious Perspectives (3 credits)

Modern persons face a number of difficult issues: changing roles for women and men, shifting lifestyles and sexual orientations, problems of racial and ethnic justice, as well as questions of ecology, euthanasia, energy, abortion, pornography, crime and war. This course will focus on a few such issues of pressing ethical concern, exploring ways in which they

meet with informed and active responses from individuals and communities of faith.

215/315 Religion in Stories, Plays and Films (3 credits)

An exploration of religious questions and affirmations as these are encountered in selected novels, short stories, plays, and films.

217/317 Religions and Philosophies of the East (3 credits)

An introduction to the basic beliefs and practices of several of the religious and philosophical traditions of the non-Western world in the light of their historical origins and developments and with attention given to their continuing significance for understanding world culture and international events today. At least three of the following will be studied: Hinduism, Buddhism, Taoism, Confucianism, and Islam.

304 Old Testament Studies (3 credits)

Historical, literary and theological studies of various writings of the Old Testament. One of the following will be taught each year according to student demand and special interests of religious studies majors:

- A. The Pentateuch
- B. Hebrew prophets
- C. Psalms and Wisdom literature
- D. Apocalyptic literature

305 New Testament Studies (3 credits)

Historical, literary, and theological studies of various writings in the New Testament. The course will focus in one or more of the following areas, according to student demand and the special interest of religious studies majors:

- A. The Historical Jesus
- B. The Life and Letters of the Apostle Paul
- C. The Synoptic Gospels
- D. Johannine Literature
- E. General Letters
- F. The Apocalypse (Revelation) of John and the Letter to the Hebrews.

331 History of Christian Thought (3 credits)

This course explores the sweep of ideas, people, cultural influences, and socio-political forces at work in shaping Christian thought and practice from the 1st century to the current day. Particular issues, theo-

logians, movements, or historical periods will be selected for emphasis according to the special interests of students and faculty.

332 Women and Religion (3 credits)

From the roles of women in traditional religions, to the relationship between sexuality and spirituality, to the impact of feminist theories upon theological reflection, this course examines a range of issues pertinent to the intersection of gender and religious studies.

401 Modern Christian Theology (3 credits)

Through the works of major 20th century theologians, this course analyzes a variety of trends in modern Christianity, including such perspectives as neo-Orthodox, process, and feminist thought. The emphasis will be on understanding theology as a critical and systematic discipline wherein affirmations about the nature of God and humanity entail logical, philosophical, doctrinal, and ethical consequences.

410 Religion in the Contemporary World (3 credits)

In the latter half of the 20th century, religion is confronted with a number of challenges: environmental devastation; pluralism and the need for interfaith understanding; the increased involvement of religious movements, both conservative and liberal, in political activity; the tragedies of human existence which lend new urgency to questions of meaning and ultimate truth. This course focuses on a few such challenges from the perspective of major thinkers of various religious traditions, attempting to discern intellectually and morally responsible ways to live as persons of faith and hope within the crises of the contemporary world.

453 Senior Portfolio (1 credit)

Each graduating major in religious studies will be required to present a portfolio to the faculty of the department for discussion at the conclusion of the final term of the student's senior year. This portfolio will include such elements as copies of selected papers and projects the student has submitted in courses, a credo of current beliefs, and a spiritual autobiography reflecting on key challenges and questions encountered during the student's exploration of religious studies, or an evaluative essay assessing the student's total experience as a major in religious studies at St. Andrews.

The Jewish Chautauqua Society Resident Lectureship in Judaic Studies

Introductory courses on Jewish history, beliefs and practices and other courses on various aspects of Jewish life and thought are offered on a regular basis by a visiting rabbi. Courses regularly taught include Introduction to Judaism; Introduction to the Hebrew Bible; Judaism in America.

190, 290, 390, 490 Special Studies in Religious Studies (1-4 credits)

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195, 295, 395, 495 Internships in Religious Studies (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/ Teaching Practicum in Religious Studies (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Religious Studies (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

ST. ANDREWS GENERAL EDUCATION

SAGE

105 The Individual and the Community: Responsible Citizenship (3 credits)

In SAGE 105 students study and experience different communities and the roles of individuals within communities. They also acquire many of the skills necessary for succeeding in college and beyond. The course is divided into sections, with each section team-taught by a faculty member and an upper-level student; both of whom also act as advisors. All sections of SAGE 105 share readings drawn from a variety of disciplines: biology, religion, business, literature, education, philosophy, etc. The first several days of SAGE 105 are devoted to an extensive orientation to St. Andrews, and a variety of skills receive substantive treatment during the semester, including written and oral communication skills; critical thinking and problem-solving skills; imaginative thinking skills; college-level study skills; and college-level research skills. Normally taken the first term of enrollment.

206 World Cultures I: The Ancient World (3 credits)

Through the study of primary sources, the world cultures sequence acquaints students with selected achievements that have influenced human history and civilization, in order to promote historical literacy, enhance an understanding of the roots of contemporary issues, and strengthen the appreciation of the commonality and diversity among various cultures. SAGE 206 develops this theme by focusing on governance structures and the ideals of leading a "good life." Basic communication skills continue to be emphasized: formal writing, research strategies, and the articulation and defense of a thesis. Normally taken in the Spring Term of the first year.

207 World Cultures II: Medieval World Through The Rise Of Modern Science (3 credits)

SAGE 207 continues to develop the themes from SAGE 105 and 206; in addition, this course focuses on the relationship between humans and nature. The skills focus of SAGE 207 is critical thinking. Students learn to analyze and construct arguments, and

they develop a deeper appreciation for scientific methodology. Normally taken in the Fall Term of the sophomore year.

208 World Cultures iii: Eighteenth Through Twentieth Centuries (3 credits)

SAGE 208 traces the themes from SAGE 207 through major developments from the eighteenth century to the present. By culminating with a section on modern democratic movements, it provides a transition between World Cultures and the next SAGE course. In SAGE 208, students develop formal oral presentation skills, including oral argumentation and persuasive rhetoric. Their final project will be a formal oral defense of a research paper. Normally taken in the Spring Term of the sophomore year.

409 Global issues and Human Values (3 credits)

SAGE 409 is the capstone course in the SAGE sequence. It requires students to draw on the knowledge and skills acquired in earlier SAGE courses and their majors in order to understand complex global problems and develop ethically-sensitive responses to these problems. The class focuses on themes of global interdependence, social justice, and the relationship of individuals to communities. This course aims at honing the communication skills learned in previous years and at developing the decision-making skills necessary for responsible citizenship. Students will also produce a senior thesis. Normally taken in the Fall Term of the senior year.

THEATRE

142 Improvisation (3 credits)

An introduction to theatrical improvisation and theatre games utilizing the approach developed by Viola Spolin. Students learn stage movement and scene creation by studying and performing theatrical games and exercises.

181 Production Experience (1 credit)

Practical applications and extension of theory and technique covered in theatre courses in performance and production. Experiences may range from acting to stage management to crew or technical work.

182 Production Experience (1 credit)

Practical applications and extension of theory and technique covered in theatre courses in performance and production. Experiences may range from acting to stage management to crew or technical work.

203 Acting (3 credits)

An introduction to realistic acting with an emphasis on scenework, script analysis, and characterization.

245/345 Oral Interpretation (3 credits)

Oral interpretation of poetry, prose, and dramatic literature. Class will emphasize analysis and performance with special attention to voice and diction.

301 Shakespeare (3 credits)

A study of major histories, comedies, and tragedies of Shakespeare against the background of the English Renaissance. Particular emphasis will be placed on the variety of critical approaches possible in a study of Shakespeare. Prerequisite: junior standing or permission of instructor.

344 Modern Drama (3 credits)

From Ibsen to the present, this course focuses on important plays in the modern canon. Class includes analysis of staging practices as they have evolved in modern times in realistic and nonrealistic drama.

347 Eighteenth Century Comedy and Satire (3 credits)

This course will provide an opportunity for detailed study of the dramatic comedy and prose satires of the 18th century. Readings will include the plays of Wycherley, Etherege, Congreve, Sheridan, and Goldsmith, and the prose of Swift and Samuel Johnson.

373 Advanced improvisation (3 credits)

Improvisation and creation of scenarios. Prerequisite: Thea 142 or Thea 203.

381 Advanced Production Experience (1 credit)

Practical applications and extension of theory and technique covered in theatre courses in performance and production. Experiences may range from acting to stage management to crew or technical work.

404 Directing (3 credits)

An introduction to the theories and practices of play direction. The class will discuss the tasks of directing in conjunction with workshop scenes to be staged in the class. Class participants will then direct a short one-act play. Prerequisites: Thea 181, Thea 203, Thea 344, and/or Thea 455.

420 Playwriting (3 credits)

Course offers a comprehensive analysis of play construction with the goal of learning to create scenarios and scenes. Course will cover adaptation of existing materials to dramatic form and creation of original scripts. Prerequisite: permission of instructor.

422 Senior Seminar (3 credits)

Seminar participants will work on individual projects in video, performance, or scripting. Course is intended to provide a capstone experience for all majors. Prerequisite: late junior or senior standing.

445 World Drama (3 credits)

A study of texts and staging practices from Greek and Shakespearean theatre as well as from selected non-Western genres. Class participants will gain an understanding of the theatrical traditions of distinct cultures in the historical context of the societies that spawned them.

190, 290, 390, 490 Special Studies in Theatre (1-4 credits)

These are courses which are not regularly taught but which are offered when a unique combination of faculty and student interests suggests that an important learning experience may occur. Class size is small, therefore students must assume greater responsibility for preparation for and conduct of the course. Credit and prerequisites as announced.

195, 295, 395, 495 Internships in Theatre (1-4 credits)

A work experience with some external agency supervised by a professional in the career area. Prerequisites: permission of the site supervisor, faculty sponsor, and college internship coordinator; and minimum overall G.P.A. of 3.0.

198, 298, 398, 498 Research/Teaching Practicum in Theatre (1-4 credits)

As a research practicum, this course provides an outlet for a student-directed special project. As a teaching practicum, this course provides the student with experience as a teaching assistant. Credits and prerequisites as determined by faculty member.

199, 299, 399, 499 Guided Independent Studies in Theatre (1-4 credits)

These are courses which are an invitation to perform undergraduate research; thus the student interested in a GIS should contact the faculty member to inquire about research possibilities, many of which may result in presentations or publications. Credit and prerequisites as determined by faculty member.

Facilities & Personnel

- ❖ Facilities
- ❖ Board of Trustees
- ❖ Faculty
- ❖ Administrative Personnel

FACILITIES

DeTamble Library

Gifts for construction of this handsome three-story building came from many sources, with the largest gift from the First Presbyterian Church of Winston-Salem, from their F.J. DeTamble Legacy. Other major contributors for DeTamble Library were the Z. Smith Reynolds Foundation and the Mary Reynolds Babcock Foundation.

The library houses more than 104,000 volumes and 18,000 microforms. Over 450 periodicals and newspapers support the intellectual efforts of students and faculty. The library is open more than 75 hours per week, and students have free access to the stacks. A variety of reading and study settings is available. The William H. Somerville Microcomputer Laboratory is located on the first floor.

Special library holdings include a music collection of nearly 1,600 scores and more than 2,260 disc recordings with listening facilities and the Scottish and rare books collections. The library is a selective depository for U.S. government documents.

The St. Andrews Scottish Heritage Center

Established in 1989, and located in DeTamble Library, the Scottish Heritage Center highlights the Scottish traditions of the region, promotes historical and cultural studies, and provides services and support to individuals and organizations with an interest in Scottish heritage preservation.

The Scottish archives in DeTamble Library include significant papers and documents donated by Clan societies, Scottish heritage organizations, and prominent individuals. The Scottish Heritage Center contains the largest listening library of Celtic music of any educational institution in the United States, including the archives of the National Public Radio

program "The Thistle and Shamrock."

Avinger Auditorium

Construction of Avinger Auditorium was made possible by a gift from Mrs. George F. Avinger, in memory of her husband. Avinger connects the Morgan Jones Science Center with the Liberal Arts Building. Designed as a teaching auditorium, Avinger seats up to 400 people.

The Liberal Arts Building

This building is constructed around two lovely courtyards, and houses the Office of Admission, other administrative and faculty offices, as well as 18 classrooms, 6 art studios, a bronze foundry, a theatre seating 200, two computer centers, commuter student and faculty lounges, and a snack bar.

Morgan-Jones Science Center

Morgan-Jones is designed to provide facilities for the College's unique science program. On the upper level it houses the 20,400 square foot interdisciplinary John Blue Laboratory.

Scientific instrumentation rooms include a nuclear magnetic resonance spectrometer; two electron microscopes; gas, ion, and liquid chromatographs; atomic absorption or infrared and ultraviolet spectrophotometers; a sterile culture laboratory; a vertebrate museum; an herbarium; an animal research laboratory; and a greenhouse.

Other facilities in Morgan-Jones include shops for woodworking and glassblowing, the Psychology Laboratory, classrooms, a computer laboratory, and faculty offices.

The Vardell Building

The Vardell Building is named after the founder and first president of Flora Macdonald College. Vardell houses the Electronic Fine Arts Center, faculty offices, a choral auditorium, a theatre workshop, music studios and practice rooms, the music library, music listening rooms, and the Vardell Art Gallery.

Facilities

The Katherine McKay Belk Tower

The campus centerpiece, the Katherine McKay Belk Tower houses a 16-bell carillon on Chapel Island, and was given by former College Trustee Thomas M. Belk in honor of his wife, also a former College Trustee.

Pate Hall Conference Center

The Pate Hall Conference Center provides, within the context of the College community, meeting and housing facilities for both on- and off-campus groups. The Center is named in honor of Mr. and Mrs. Edwin Pate of Laurinburg, longtime contributors to the College.

The Belk College Center

Overlooking the lake on the residential side of campus, the Belk College Center is the hub of campus social life. Belk Center also houses the Carol Grotnes Belk Main Lounge, student government offices, a post office, the Student Bookstore, student activity offices, the College cafeteria, student life offices, and the Gathering Place. The building is named in honor of William Henry Belk of Charlotte, North Carolina.

Residence Halls

Seven residence halls, single- and multi-story, accommodate 96 to 114 students to a building. The rooms are arranged in suites which house 12 to 16 students each. Suites include bedrooms, a bathroom, and a lounge. Laundry facilities are located in each residence hall. All residence halls have reception areas, common lounges, and residence director apartments. Several residence halls have guest rooms.

The Physical Education Center

This multi-use building houses Harris Courts, the multipurpose gymnasium which seats 1,400. Olympic-sized O'Herron swimming pool is available year-round, as are racquetball and handball courts, a game room, and wrestling and weight rooms. Other facilities include physical education staff offices provided by the McNair family, three classrooms, spacious locker rooms, and accommodations

for visiting teams. Outdoor athletic facilities include an all-weather track, Clark baseball field, lighted all-weather tennis courts, soccer fields, softball fields, a jogging trail, and a golf practice area with a par-three course of seven holes.

Singing Wood Farm

Singing Wood Farm, a few minutes' drive from St. Andrews, is home to the St. Andrews Equestrian Program. The 17-acre facility features facilities for 40 horses, a 200 x 300 foot lighted outdoor arena, another non-lighted outdoor ring, a hitchcock pen, an outside hunter course, and miles of riding trails. Singing Wood Annex, a one-mile hack from the main farm, is a 14-acre facility with 12 stalls and two rings.

Burris Rehabilitation Center

The Burris Center was made possible by a gift from Jack. B. Burris, Sr., of High Point, North Carolina. The 9,000 square foot facility provides a central location for the health and rehabilitation services program. This facility includes a modern Health Services department, which consists of a suite of medical offices as well as rooms for short-term, in-patient care.

The Highland Hall section of Burris Center is a 22-room facility designed to provide support and rehabilitation services to orthopedically-disabled students. The innovative design of Highland Hall creates a positive environment, and is considered among the finest facilities in the nation.

Rehabilitation Services, the third section based in the Burris Center, includes offices, specialized support rooms, and a lounge.

BOARD OF TRUSTEES

St. Andrews Presbyterian College
1700 Dogwood Mile, Laurinburg, NC
28352-5598

BOARD OF TRUSTEES

James. R. Allison

Second term; expires in 1997

John R. Belk

Second term; expires in 1998

Benjamin B. Brockwell

Second term; expires in 1996

John D. Currie, Jr.

First term; expires in 1996

Karen Stone Gulledge

Second term; expires 1998

John C. Harmon

Second term; expires in 1996

Thomas F. Henley

First term; expires in 1996

Haywood D. Holderness, Jr.

Second term; expires in 1998

James E. Holshouser, Jr.

Second term; expires in 1996

William D. Hoover

First term; expires in 1996

Olive Camp Johnson

Second term; expires in 1996

Susan Cotton Klopman

First term; expires in 1997

Ina Ann McCoy

Second term; expires in 1996

Angus W. Mercer

Second term; expires in 1998

James L. Morgan

Second term; expires in 1999

M. Morrison Morgan

Second term; expires in 1997

Roble Ware Neal

First term; expires in 1997

Susan Rader Poole

Second term; expires in 1999

James A. Rothrock

Second term; expires in 1996

J. Shepherd Russell, Jr.

Second term; expires in 1999

Robert C. Shaffner

First term; expires in 1997

Jerold D. Shetler

Second term; expires in 1997

O. Temple Sloan, Jr.

Second term; expires in 1998

R. Lawrence Taylor

Second term; expires in 1999

Officers of the Board

James E. Holshouser, Jr. Chairman

James L. Morgan Vice Chairman

John D. Currie, Jr. Secretary

Robert C. Shaffner Treasurer

Warren L. Board College President

1995-1996

FACULTY

FULL-TIME FACULTY

(The date following the name indicates the year of appointment)

William M. Alexander (1961)

Distinguished Professor of Philosophy and Religion. A.B., Davidson College, 1950; B.D., Louisville Presbyterian Theological Seminary, 1953; S.T.M., Harvard University, 1957; Ph.D., Princeton Theological Seminary, 1961.

Laura J. Arwood (1995)

Assistant Professor of Biology. B.S., Ph.D. North Carolina State University 1982, 1989.

Ronald H. Bayes (1968)

Writer-in-Residence and Distinguished Professor of Creative Writing. B.S., M.S., Eastern Oregon College 1959, 1960; University of Pennsylvania, 1959-60, Litt. D.M., Universita Delle Arti, 1982.

Warren L. Board (1994)

President of the College and Professor of Social Sciences. B.A., University of Idaho, 1964; M.A., University of Denver, 1967; Ph.D., Syracuse University, 1978.

Norman T. Boggs, III (1982)

Associate Professor of Chemistry. B.A., Hamilton College, 1962; Ph.D., State University of New York at Buffalo, 1967.

Mary Louise Bringle (1983)

Jefferson-Pilot Professor of Religion. B.A., Guilford College, 1975; M.A., Ph.D., Emory University, 1984.

Cornelius Bushoven, III (1969)

Professor of Politics. A.B., Davidson College, 1964; M.S., Ph.D., Duke University, 1967, 1971.

Robert Carter (1984)

Associate Professor of Art. B.A., M.F.A., Florida State University, 1963, 1965.

Schelley H. Childress (1991)

Catalog Librarian with the rank of Assistant Professor. B.A., Union University, 1961; M.L.S. North Carolina Central University, 1986.

Charles W. Clark (1983)

Associate Professor of History. B.A., Colorado College, 1968; M.A., Ph.D., University of Colorado, 1972, 1979.

Allen C. Dotson (1981)

Professor of Mathematics and Physics. B.S., Wake Forest University, 1960; Ph.D., University of North Carolina at Chapel Hill, 1964.

C. Lee Dubs (1988)

Associate Professor of Spanish. B.A., Carthage College, 1963; M.A., University of North Carolina at Chapel Hill, 1967; Ph.D., University of Kentucky, 1972.

Pamela G. Ely (1995)

Assistant Professor of Psychology. B.A., Ohio Dominican College, 1989; M.A., Ph.D., Miami University, 1991, 1993.

David Flish (1990)

Associate Professor of Music. B.A., M.A., Ph.D. Western Michigan University, 1977, 1982, 1994.

D. Michael Fletcher (1994)

Assistant Professor of Economics. B.S., University of South Florida, 1987; Ph.D., The University of Tennessee, 1994.

Barbara J. Frank (1990)

Associate Professor of Mathematics. B.S., Wells College, 1972; M.S., Indiana University, 1975.

Elizabeth A. Holmes (1966)

College Librarian with the rank of Professor. B.A., M.A. in L.S., Florida State University, 1952, 1954.

Robert J. Hopkins (1983)

Director of Continuing Education, Laurinburg Campus; Professor of Business and Economics. B.A., Tennessee Technological University, 1968; M.S., Ph.D., The University of Tennessee, 1970, 1972.

Jane Huffman (1994)

Associate Professor of Education. B.S., M.S., Radford College, 1976, 1982; Ed.D., Virginia Polytechnic Institute and State University, 1991.

James I. Lankford, Jr. (1987)

Associate Professor of Chemistry. B.S., University of Virginia, 1955; Ph.D., University of Miami, 1985.

Robert Littleson (1991)

Assistant Professor of Business Administration, B.A., M.B.A., University of Michigan, 1953, 1954.

Edna Ann Osmanski Loftus (1977)

Associate Professor of English. B.A., Sweet Briar College, 1972; M.A., Ph.D., Princeton University, 1976.

William J. Loftus (1974)

Director of Institutional Planning and Effectiveness and Executive Assistant to the President. Professor of French. B.A., University of Scranton, 1967; M.A., Ph.D., Pennsylvania State University, 1969, 1973.

Dennis McCracken (1981)

Associate Professor of Biology. B.S., M.S., East Tennessee State University, 1968, 1972; Ph.D., Wake Forest University, 1978.

Stephanie McDavid (1994)

Assistant Professor of Art, B. A. University of Kentucky, 1987, M.F.A. Florida State University, 1989.

George E. Melton (1968)

Professor of History. B.S., Davidson College, 1954; M.A., Ph.D., University of North Carolina at Chapel Hill, 1956, 1966.

Brett D. Mills (1994)

Assistant Professor of Physical Education. B.A. University of San Francisco, 1990; M.S. Ball State University, 1992.

Abdessamad Mortabit (1991)

Assistant Professor of Mathematics. B.A., Université de Pau et des Pays de l'Adour, France, 1985, M.A., Ph.D. University of Mississippi, 1990.

Corinne L. Nicholson (1989)

Associate Professor of Business. B.A., Salem College, 1972; M.B.A., University of North Carolina at Charlotte, 1988.

William A. Prosser (1985)

Vice-President for Finance, Associate Professor of Accounting and Business Administration. B.A., Bowdoin College, 1958; M.A., Ball State University, 1969; C.P.A., Indiana University.

Richard C. Prust (1967)

Professor of Philosophy. B.A., University of Wisconsin, 1961; B.D., Yale University, 1964; Ph.D., Duke University, 1970.

William W. Rolland (1991)

Associate Professor of Mathematics and Computer Science. B.A., King College, 1953; Ph.D. Duke University, 1963.

Lawrence E. Schulz (1971)

Vice President for Academic Affairs, Dean of the College, and Professor of Politics. B.A., University of Redlands, 1965; M.A., Ph.D., Claremont Graduate School and University Center, 1967, 1972.

O. Eugene Smith (1975)

Associate Professor of Education. B.S., M.S., West Virginia University, 1962, 1965; Ph.D., University of Maryland, 1975.

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Jefferson-Pilot Associate Professor of Philosophy. B.A., Lehigh University, 1975; Ph.D., Brown University, 1981.

Carl F. Walters (1982)

Warner L. Hall Professor of Religion. B.A., Southwestern at Memphis, 1956; B.D. (M.Div.), Th.M., Ph.D., Union Theological Seminary, 1959, 1960, 1964.

Frank D. Watson (1990)

Associate Professor of Biology. B.A., University of Virginia, 1974; M.A., The College of William and Mary, 1977; Ph.D., North Carolina State University, 1983.

OTHER FACULTY**Lynda Alexander**

Adjunct Instructor of Psychology. B.A., M.A., Marshall University, 1983, 1986.

Daniel G. Auman

Director and Managing Editor of the St. Andrews Press. B.A., St. Andrews Presbyterian College, 1992; M.A., Virginia Commonwealth University, 1994.

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Director of Scottish Heritage Center and Adjunct Instructor of Music, B.A., St. Andrews Presbyterian College, 1989.

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S. W. de Rachewiltz

Adjunct Professor of Literature. B.A. Rutgers University; A.M., Harvard University; Laurea in lingue e letterature straniere moderne Universita di Urbino; Ph.D., Harvard University.

Samuel T. Ragan

Adjunct Professor of Literature. B.A. Atlantic Christian College; Litt.D., Atlantic Christian College; Litt.D., Methodist College; Litt.D., University of North Carolina, Chapel Hill; Litt. D., St. Andrews Presbyterian College.

Howard Reichner

Visiting Assistant Professor of Politics, B.A. University of California at Santa Barbara, 1960, M.P.A., University of Tennessee at Knoxville, 1974.

Robert E. Reiman

Visiting Professor of Geography. B.S., M.S., Ph.D., The Florida State University, 1961, 1962, 1964.

Alston Russell

Visiting Instructor of Creative Writing. B.A., The University of North Carolina at Chapel Hill, 1988; M.F.A., The University of North Carolina at Greensboro, 1994.

Hiroaki Sato

Adjunct Professor of Literature. M.A., Doshisha University, Kyoto, Japan.

Eliis M. Saums

Visiting Assistant Professor of Business. B.A., Colgate University, 1951; M.B.A., University of Pennsylvania, 1955.

Alvin H. Smith

Visiting Professor of Psychology. B.A., M.Ed., Ph.D., University of Missouri, 1950, 1954, 1961; B.D., University of Dubuque, 1953.

H. Kenneth Smith

Visiting Assistant Professor of Communications. B.A., M.A. University of North Carolina at Chapel Hill, 1966, 1972.

Stephen E. Smith

Visiting Professor of Literature. B.A., Elon College; M.F.A., University of North Carolina at Greensboro.

Robert Y. Sokolinsky

Instructor of Physical Education. B.S., Norfolk State University, 1988; M.S., Old Dominion University, 1992.

Sheiby Stephenson

Visiting Professor of English. B.A., The University of North Carolina at Chapel Hill, 1960; M.A., University of Pittsburgh, 1967; Ph.D., University of Wisconsin-Madison, 1974.

James F. Stephens (1969)

Registrar, Associate Dean for Academic Affairs, and Adjunct Professor of Chemistry. B.S., West Virginia University, 1963; M.S., Marshall University, 1965; Ph.D., University of Tennessee, 1969.

Charieen Swansea

Adjunct Professor of Literature. B.A., Meredith College, 1954; M.A., University of North Carolina at Chapel Hill, 1955.

Geri A. Swanson

Visiting Instructor of Physical Education. B.A., M.A., University of Northern Iowa, 1983, 1988.

Gary Swanson

Instructor of Physical Education. B.A., University of North Iowa, 1983.

Jean M. Tebay

Visiting Assistant Professor of Physical Education. B.A. Chatham College 1957; M.S. Wright State University, 1972.

Mark Thompson

Visiting Instructor of History. B.A., California State Polytechnic University, 1981; M.A., University of North Carolina at Chapel Hill, 1983.

Ricky W. Watkins

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W. D. White

Adjunct Distinguished Professor of the Humanities. B.A., M.A., Baylor University, 1947, 1949; Ph.D., University of Texas, 1959; M.A., Ph.D., Princeton University, 1960, 1968.

Alice L. Wilkins

Visiting Instructor of Music. B.A., Houghton College, 1960; M.S. in L.S., Columbia University, 1962.

Patty Wilson

Visiting Assistant Professor of Psychology, B.S., M.H.E., Bowling Green State University, 1983, 1986, Ph.D., University of North Carolina, Greensboro, 1990.

Marilyn B. Wright

Visiting Assistant Professor of History. B.A., University of North Carolina at Chapel Hill, 1971; M.A., Pembroke State University, 1988.

FACULTY EMERITI**Carl D. Bennett**

Distinguished Professor of English Emeritus. B.A., M.A., Ph.D., Emory University.

Margaret W. Bennett

Associate Librarian and Cataloger with the rank of Associate Professor Emeritus. B.A., A.B. in L.S., Emory University.

P. Leslie Bullock

Professor of Religion Emeritus. B.S., North Texas State College; B.D., Th.M., Th.D., Union Theological Seminary in Virginia.

John P. Daughtrey

Professor of Education and Psychology Emeritus, B.S., University of Virginia; M.S., University of North Carolina at Chapel Hill; Ed.D., University of Florida.

Rodger W. Decker

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